

Ques: What are the four fundamental parts of a program?

Ans:

FUNDAMENTALS OF IT AND PROGRAMMING

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The instruction stored in the main memory, identity the operation and the device to be initiated and according generate control signals

What are the four fundamental parts of Computer? Explain it with the help of diagram?

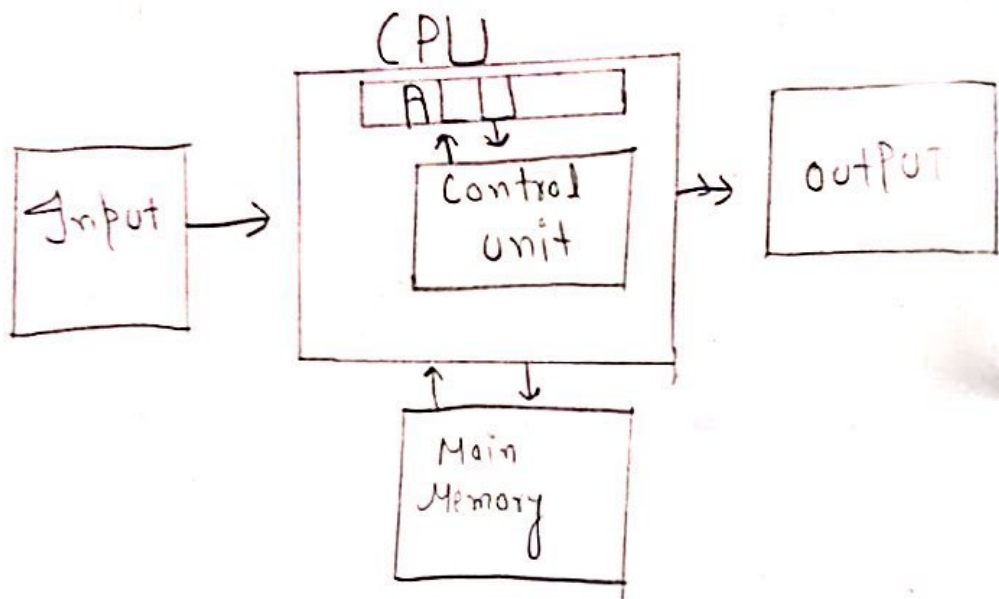
The four fundamental parts of Computer are:

Input
Control unit (CU)
Memory unit (MU)
output.

Input ⇒ The computer accepts coded information through input unit by the user. It is a device that is used to give required information to the computer. e.g. Keyboard, mouse etc.

Control unit ⇒ Control unit coordinates with the input and output devices of a computer. It directs the computer to carry out stored program instruction by communicating with the ALU and the registers. It organizes the processing of the data and instruction.

To maintain the proper sequence of processing data the control unit is to fetch the instruction stored in the main memory, identify the operation and the device involved and according generate control signals.



Memory unit \Rightarrow Memory is that part of the Computer which holds data and instructions. Memory is an integral component of the CPU. The memory integral consists of the primary and secondary memory.

Output \Rightarrow The output unit sends the process result to the user. It is mainly used to display the desired result to the user as per unit input instruction e.g. video monitor, printer and plotter etc.

Discuss about the classification of computers based on size and capacity?

Based on size and capacity.

Super Computer \Rightarrow Super computers are the fastest, most powerful and most expensive computers.

It has the ability to recover automatically from failures.

It has the ability to support several Giga bytes of Ram.

One of the most powerful super computers today is the Cray-2 and some others are Cray 1, Cray T3E-300, HITAC S-300 etc.

(B) Main frame Computers :- are very large often filling entire room and can process thousands of million of instructions per second.

- Some of the function performed by a mainframe include flight scheduling reservation and ticketing for air line etc e.g IBM 4300 series, IBM 308x series, HP 7000 etc

(C) Mini Computer :- There are also a general purpose computer smaller than main frame computers. Medium sized computers, occupying approximately 10 sq ft area.

- They have slower operating speed smaller backup storage limited hardware and less memory than mainframe. Mini computers are well adapted data base management statistical package for social science.

(D) Micro Computer :- A micro computer is the smallest, least expensive of all the computers. Micro computers have smallest memory and less powerful.

- Micro computers are called personal computers.
- Common type of micro computers is a desktop computer which is a non portable personal computer e.g desktop, laptop etc.

What is the meaning of computer generation?
How many computer generations are defined?

Generation in computer terminology is a change in technology a computer was being used. Initially the generation term was used to distinguish between varying hardware technologies. Four generations of computers are defined.

Difference between volatile and non-volatile memory.

Volatile Memory.	Non Volatile memory.
Volatile memory is the type of memory where data is lost when power is turned off.	(a) Non-volatile memory is a type of memory where the data is not lost when a computer is switched off.
Data temporarily stored in volatile memory.	(b) Data permanently stored in non-volatile memory.
It is faster than non-volatile memory.	(c) It is slower than volatile memory.
It has less storage capacity.	(d) It has more storage capacity than volatile memory.

Ques: Distinguish among System Software application software and open source software on the basis of their features?

Ans: System Software: it meant to manage the system resources. It serves as the platform to run application software.

• System software is developed in a low level language assembly language for example.

• System software automatically starts running once the system is turned on and stops when the system is shut down.

• Application Software:

• Application software helps perform a specific set of function for which they have been designed.

• Application software is user specific and it not needed to run the system on the whole.

• Application software is developed in a high level language such as Java C++ net and VB.

Open source software:

• Here the software is developed and tested through open collaboration.

• User do not need to have any authenticated licence to use this software.

Create a file in MS-Word to insert a paragraph about your-self and save it with file name "yourself". Describe all steps involved in it?

Creating a file in MS-Word.

- Step 1 => open MS word.
 Step 2 => Go to file tab and click new.
 Step 3 => Select online template or select blank template.
 Step 4 => Place the cursor and type text on the sheet.
 Step 5 => Insert picture table from insert tab.
 Step 6 => Go to file save select -rename and rename as "yourself"
 Step 7 => select Save.

write steps regarding following:

To change font style:

- Select the text you want to modify.
 click on font style box on the home tab.
 The font style drop down menu appears.
 Move your cursor over the various font styles.
 Left click the font style you want to use.
 Then font style will change in the document.

To change font size:

- Select the home tab in MS word.

- Select font size from drop down menu.
- Select desired font.

(C) To change font colour :-

- Select the text you want to modify.
- Click on the font colour box on the home tab. The font colour menu appears.
- Move your cursor over the various font colours.
- Left click the font colour you want to use.
- Then font colour will change.

(D) To Highlight (in yellow) in line that read need to get IMS address :-

- Ans
- Select the text
 - Click on the text highlight colour in font group on the home tab.
 - Various colour will appear.
 - Move your cursor over the various.
 - Click the colour you want to use.
 - Then text highlight colour will change in document.

Q. No 7:- Create a file in MS-Word for the following document and save it with file name ms-Word. Describe all steps involved in it.

Ans:- MS Word

MS Word is a software created by Microsoft. It is a popular commercial word processor. It is widely used program in the suite uses of MS word. It help in editing, formatting and creating new notes. It help to make professional write up the editing, and the writing document.

Create a file in ms word for the following document and save it with file name 'evakon'. Describe all steps involved in it?

Open word. are or, word is already open select file > New.

In the search for online template box enter a search word like letter resume or invoice or select a category under the search box like Business Personal or education.

Click a template to see a preview select Create open the MS word document.

Type the evakon in it.

click file in the top left hand corner of the screen.

from the menu, choose save

A 'save' dialogue box will come up.

once you have typed in the name of your document, click save.

Ques) Create a file in MS word that convert existing highlight text to table as shown and save it as file name "text to table". Describe all steps involved in it?

- Ans:
- First we have to select that text then we have to select insert tab.
 - Then click on the table. So the command box will appears.
 - Then we have to set no. of columns.
 - Now we have to click the ok to convert

Ques) Create a file in MS-word to insert a table in the document. Describe all steps involved in it?

- Ans:
- open a blank word document.
 - In the top ribbon press insert click on the table button.
 - Either use the diagram to select the no of columns, rows needs or click in table and a dialog box will appear you can specify the number of columns and select blank insert. Table insert table open choose a customize on click on it.

Ques) Create ~~the~~ a following worksheet in MS excel and save it with name "book 1"?

- Ans:
- (i.) Select a cell with in year data.
 - (ii.) Select Home > Format as table.

- (c) Choose a style for your table.
- (d) In the format as table dialog box, set your cell range.
- (e) Mark if your table has headers.
- (f) Select "b1c".

Q1013: Describe various steps involved in the following?

Q To modify column width of a worksheet?
Ans: Select a column range of a column on the home tab, in the cell group select format column width.
• Type a column width and select ok.

Q To modify the row height of a worksheet?
Ans: Select a row that you want to change on the home tab, in the cell group select format.
• Under cell size click row height.
• In the row height box, type the value that you want and then click ok.

Q To delete rows of a worksheet?
Ans: select any cell which in the rows, and then go to home > insert > insert sheet row or delete sheet.

Q To delete column of a worksheet?
Ans: select any cell which in the column, and then go to home > insert > sheet column or delete sheet column.

(Ques) Describe following terms in the worksheet.

Ø Absolute reference and relative reference formulae.

Ans: Relative and absolute reference have differently when copied and filled to other cell. Relative Reference change when a formula which copied to another cell. Absolute reference on the other hand, remain constant, no matter where there copied.

Ø Cell address:

Ans: Cell address is a combination of a column, letter and a row no. that identify a cell on a work-sheet.

Ques (a) What tools are available to customize our power point presentation?

Ans: Visio, Saikudeck, titcherific, Canva - Slide game, Micro Soft events, townain video slide text.

Ques (b) Write the steps for the following action for creation of power point presentation.

Ans: 1) open the micro-soft power point.
 (2) Go to the file and top of the screen & click new says new presentation.

(3) In the new presentation dialog box click on

- the from design template.
- (4) select design template by click on the template you will like.
 - (5) A slide about change the slide about you can make change the slide about if go to be top of the screen and click there for.
 - (6) Adding picture you may add picture by clicking on the box that says click to insert. Just choose the photograph & click insert.
 - (7) Adding text enter your text by clicking & by typing in box titled or click to add a title.
 - (8) Resizing picture you may change the size of picture by clicking on the picture the help of mouse pointer along on down the picture size you want.
 - (9) Enter all the change. Now it's done.

Q Write steps for creation of a set of power point slides that demonstrates your skill to use the tools of power point. It should include the following things.

Ø Title slide & bulleted list.

Ans on the left side of the powerpoint window in the pane that contains the outline and slide

thumbnail that you want to add bulleted or numbered text to. on the slide, select the lines of text in text placeholder or table that you want to add bullets or numbering

Ans: Inserting Excel sheet
 Select the slide that you want to insert an excel spread sheet into. Go to insert, table and then choose excel sheet. To add text to a table cell, click the cell and enter your text. After you enter your text, click outside the label.

Ans: Clip art and text
 Click the insert tab. In the Illustrations group click on the picture button. Insert dialog box appears. With a click select the desired picture will be added to the slide. Click and drag the picture to move it to desired location.

Ques: What is the difference between Machine level language and High level language?

<u>Ans:</u>	Machine level language	High level language.
(1)	It is also known as low level language	(1) It is also known as programmer friendly language.
(2)	It is difficult to understand.	(2) It is easy to understand
(3)	It is maintenance to complex	(3) It is simple in terms of maintenance.

Q.17 Discuss about different programming language? data types of C

Ans

C is general purpose, procedural computer programming language supporting structural programming lexical variable scope and recursion with a static type system. By design C provides constructs that map efficiently to typical machine instruction. It has found lasting use in application previously coded assembly language. Such application include operating system and various application software for computer architecture that range from super computer to PCs and embedded system.

Q.18 Find the output of the following expressions.

(a) $x = 20 / 5 * 2 + 30 - 5$
 Sol: $4 * 2 + 30 - 5$
 $= 8 + 30 - 5$
 $= 38 - 5$
 $= 33$

(B) $y = 30 - (40 / 10 + 6) + 10$
 Sol: $30 - 10 + 10$
 $= 20 + 10$
 $= 30$

(c) $z = 40 * 2 / 10 - 2 + 10$
 Sol: $80 / 10 - 2 + 10$
 $= 8 - 2 + 10$
 $= 6 + 10$
 $= 16$

Describe the Syntax of the following statements.

if-else statement

if (condition)

{ True statement

} else ()

{ False statement
}

For loop.

For (Initial 'text' Update
(condition, expression, expression)

{ Body for loop;

}

while loop.

while (condition)

{ Statement executed

}

(d) Do while loop

Sol: do
 {
 Statement
 }

while (condition)
 {
 statement condition
 }

Ques: Find the output of the following program snippet.

Sol: (1) For i in range i = 1
 → (IMS GHAZIABAD)

(2)

Sol: IMS Ghaziabad.
 IMS Ghaziabad.

(3)

Sol: largest number is 100.