CCA-101: Fundamentals of IT & Dryamp; Progrming Assignment-2 Q1:What is the difference between Machine Language and high level Language? Ans. The difference is machine language executed directly by CPU whereas machine language is first converted to binary by the compiler and then executed by CPU. In this era, high-level language is widely used by programmers, because of their ease of code and that's easy to understand. Q2:Discuss about different data types of c programing Language. Ans. .56 seconds) Search Results Featured snippet from the web Data Types in C Data Type Memory (bytes) Format Specifier signed char 1 %c

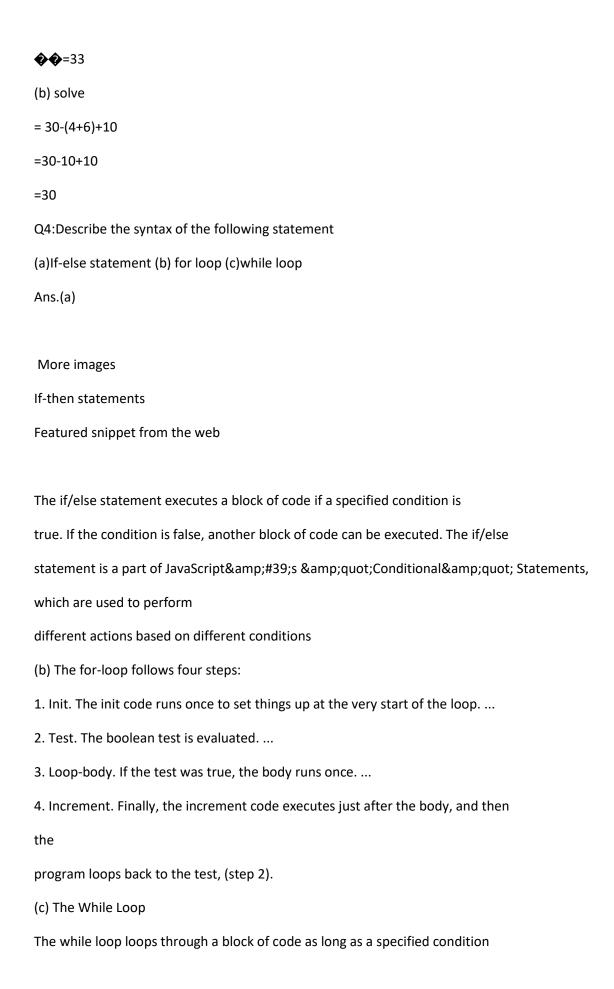
float 4 %f

double 8 %lf

unsigned char 1 %c

Q3:Find the output of the following expressions (a)x=20/5*2+30-5 (b)y=30-(40/10+6)+10 (c)z=40*2/10-2+10Ans.a) How to solve your question Your question is *****=205·2+30-5 $x=\frac{20}{5} \cdot 2+30-5x=520\cdot 2+30-5$ Solve 1 Divide the numbers *****=205·2+30-5 $x={\color{\#c92786}{\frac{20}{5}}}\cdot 2+30-5x=520\cdot 2+30-5$ *****=4·2+30-5 $x={ \color{\#c92786}{4}} \cdot 2+30-5x=4\cdot2+30-5$ 2 Multiply the numbers 3 Add the numbers

Solution



```
is true.
Syntax
while (condition) {
 // code block to be executed
}
Example
In the following example, the code in the loop will run, over and over again,
as long as a variable (i) is less than 10:
Example
while (i & amp; lt; 10) {
 text += "The number is " + i;
 i++;
}
Try it Yourself »
If you forget to increase the variable used in the condition, the loop will
never end. This will crash your browser.
The Do/While Loop
The do/while loop is a variant of the while loop. This loop will execute the
code block once, before checking if the condition is true, then it will repeat
the loop as long as the condition is true.
Syntax
do {
 // code block to be executed
```

```
}
while (condition);
Example
The example below uses a do/while loop. The loop will always be executed at
least once, even if the condition is false, because the code block is executed
before the condition is tested:
Example
do {
text += "The number is " + i;
i++;
}
while (i & amp; lt; 10);
Q5:Find the output of the following program segments
(a) b) c)
#include <stdio.h&amp;gt;
Int main()
{
Int I;
#include <stdio .h&amp;gt;
Int main ()
Int i=1;
```

```
#include <stdio .h&amp;gt;
Void main ()
{
Int a =10,b=100
For(i=1;i<2;i++)
{
Printf("IMS
Ghaziyabad\n");
}
}
While(i<=2)
{
Printf("IMS
Ghaziyabad\n");
i=i+1;
}
}
If(a>b)
Printf("Largest number is
%dn",a);else
Printf("Largest number is
%d\n",b);
```