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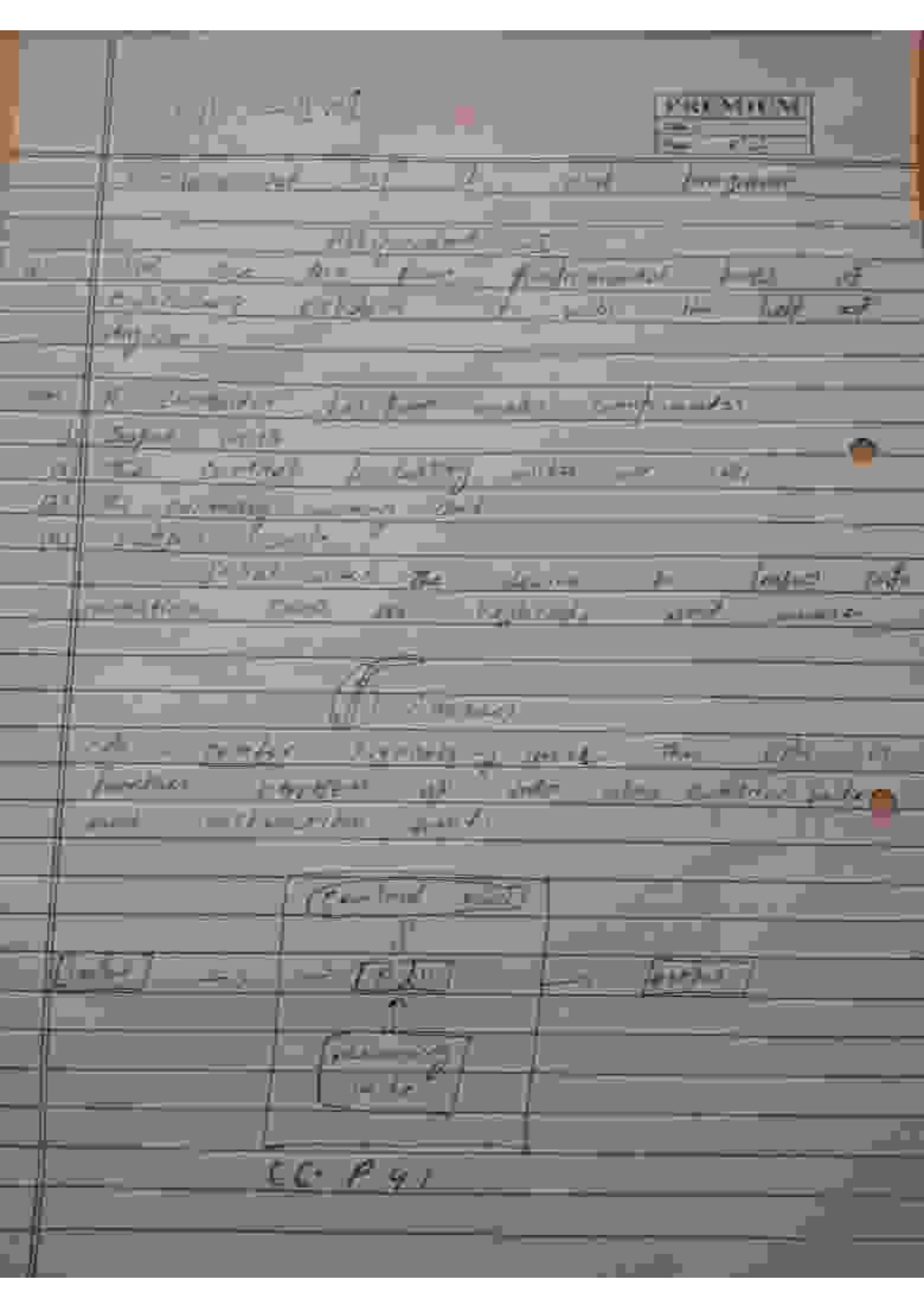
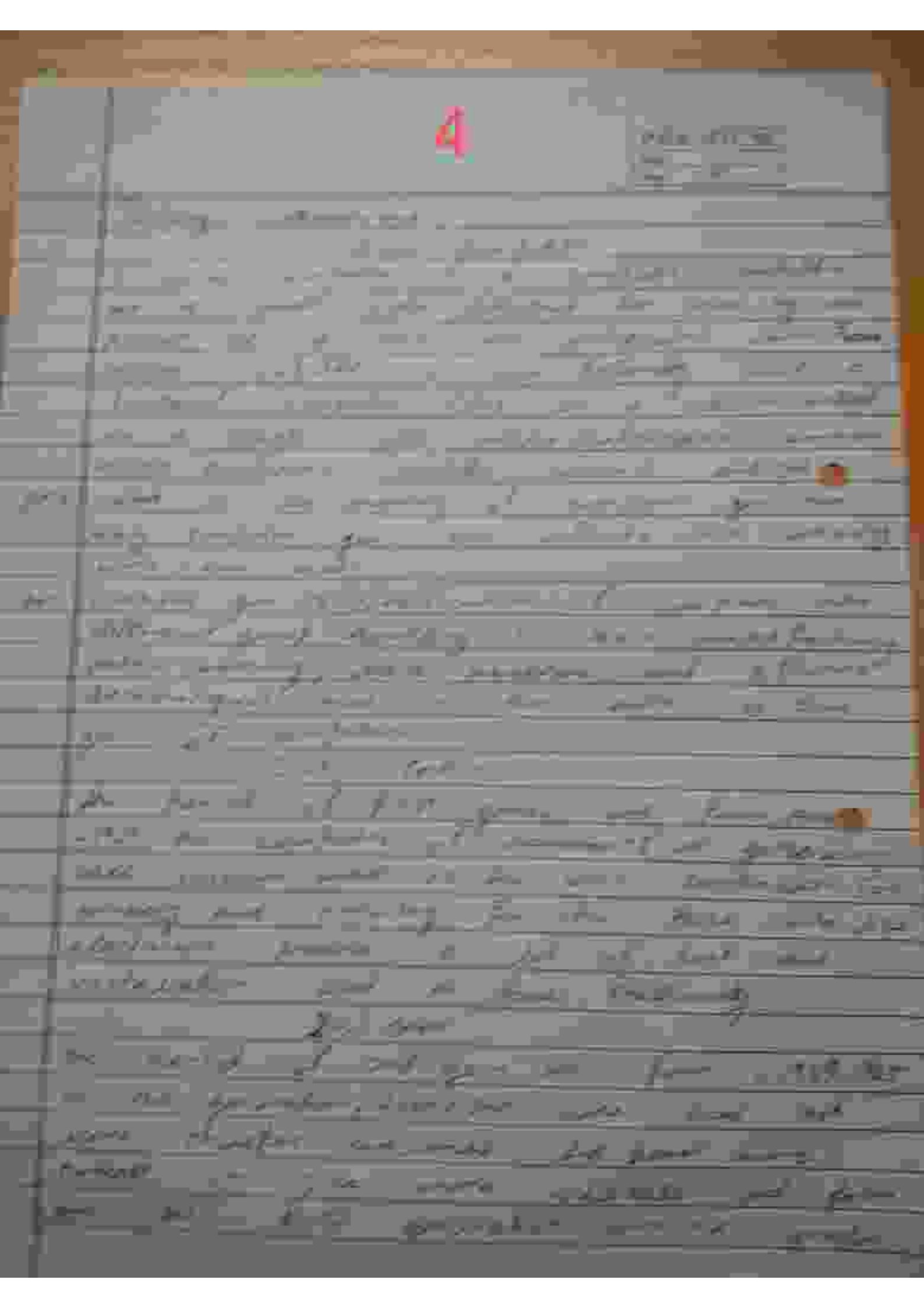
Reg No = CIA/2021/1329033

course code = 101

Course name = Fundamantal of it and program



PREMIUM



PHYSICS

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PRESSURE

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PREMIUM

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PREMIUM

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Q.No.18 Find the output of the following expressions

i) $x = 20/5 * 2 + 30 - 5$

Ans $x = \frac{20}{5} * 2 + 30 - 5$

$x = 4*2 + 30 - 5$

$x = 8 + 30 - 5$

$x = 8 + 25$

$x = 33$

Hence the value of x is 33 Ans

ii) $y = 30 - (10+2)/6*6) + 10$ [illegible]

Sol=> $y = 30 - $ [illegible]

$y = $ [illegible]

$y = $ [illegible]

Hence the value of y is [illegible] Ans

(c) $z = 4^2 \cdot 2/16 - 3 + 10$ [illegible]

Sol=> $z = $ [illegible]

$z = $ [illegible]

$z = $ [illegible]

$z = $ [illegible]

Hence the value of z = [illegible] is Ans

Q19 Determine the syntax of the following statements

i) if-else statement.

Ans: It executes a statement [illegible] [illegible]

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```
int main()
{
int number;
cout << "Enter the integer ";
cin >> number;
if (number>0)
{
cout << "You entered a positive integer";
}
else if (number<0)
{
cout << "You entered a negative integer";
}
else
{
cout << "You have this line always";
}
}
```

O/P Enter one integer

b) for loop

```
#include <stdio.h>
int main()
{
    int i;
    for (i=0; i<10; i++)
    {
        printf("hello world");
    }
    return 0;
}
```

o/p
10 times write hello world

c) while loop

```
#include <stdio.h>
int main()
{
    int i=0;
    while (i<3)
    {
        printf("hello world");
        i++;
    }
}
```

o/p 3 times write hello world.

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(d) do - while - loop :-

Ans :-

```
# include < iostream >
using namespace std;
int main ()
int i = 1;
do
{
cout << i << " hi ";
i++;
while (i <= 10);
}
```

O/P

1 to 10 hi

Que. Find the output of the following programme segments

a)

```
# include < stdio.h >
int main ()
{
int i;
for (i = 1; i < 7; i++)
{
printf ("%d Ghaziabad \n", i);
}
}
```

O/P 1 to 6 Ghaziabad

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(b)
```
# include < stdio.h >
int main ()
{
int i = 1;
while (i <= 7)
{
printf ("\n I'm a Generation / Gen %d");
i = i + 1;
}
}
```

O/P: This line will print I'm a Generation. 7 times

(c)
```
# include < stdio.h >
void main ()
{
int a = 10, b = 100;
if (a > b)
printf ("\n Larger no. is %d", a);
else
printf ("\n Larger no is %d", b);
}
```

O/P: Larger number is 100