

Question 1:

What is the output of the following program fragments?

- a)
- ```
int x = 3, y = 4, g = 1;
for (int i = 1; i <= y; i++)
 g *= x;
System.out.println("Result = "+g);
```
- b)
- ```
int h = 2;
while (h <= 10 ) {
    System.out.println("H = " + h);
    h += 3;
    for (int j = h; j > 7; j -- )
        System.out.println( "J = " + j );
}
```
- c)
- ```
int n = 12345;
int t,r = 0;
System.out.println("The original number : " + n);
do{
 t = n % 10;
 r = r * 10 + t;
 n = n / 10;
}while (n > 0);
System.out.println("The reverse number : " + r);
```

**Question 2:**

**Convert the following nested *for loops* to *while loops*:-**

```
for(int i = 1;i <= 5;i++){
 for(int j = 1;j <= i;j++){
 System.out.print(i);
 }
 System.out.println();
}
```