Code at Random (OPC) PVT. LTD.

PATTERN PROGRAMMING - 2

PROGRAMS TO PRACTICE

1.
```
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
1 2 3 4 5
```

2.
```
1 1 1 1 1
2 2 2 2 2
1 1 1 1 1
2 2 2 2 2
1 1 1 1 1
```

3.
```
1  2  3  4  5
2  4  6  8  10
3  6  9 12  15
4  8 12 16  20
5 10 15 20  25
```

1st Pattern Program

- There are 5 rows and 5 columns. In each row, the patten is same i.e., 1 2 3 4 5. We have to print the particular column number in each row.

- **Source Code:-**

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

2nd Pattern Program

- There are 5 rows and 5 columns. In every odd numbered row(1,3,5,..) there is a 1 1 1 1 1, and in every even numbered row(2,4,6,..) there is a 2 2 2 2 2.
- **Source Code:-**

```
for (i=1;i<=5;i++)
{
  for(j=1;j<=5;j++)
  {
    if(i%2==0)
    {
       SOP(“ 2 “);
    }
    else
    {
       SOP(“ 1 “);
    }
  }
SOPln(  );
}
```

3rd Pattern Program

- There are 5 rows and 5 columns.
- Here, in first row, there are multiples of 1, in second row – multiples of 2, in third row – multiples of 3, and so on. In other words, at every position the element is *i*j.*
- **Source Code:-**

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