

1

212

32123|

4321234

100000,10000,1000,100,10,1


3, 8, 63, 3968, 15745023

====='

1, 4 , 36 , 1521 , 2325625

=====

```
1 //program-1
2 class Main
3 {
4     public static void main(String args[])
5     {
6         int i,j,n=1;
7         for(i=1;i<=4;i++)
8         {
9             n=i;
10            for(j=1;j<=i;j++)
11            {
12                System.out.print(n);
13                n--;
14            }
15            for(j=3;j<=i+1;j++)
16            {
17                System.out.print(j-1);
18            }
19            System.out.println();
20        }
21    }
22 }
23
24 /*Output:-
25 1
26 212
27 32123
28 4321234
29 */
```



```
1  //PROGRAM-
2  class Main
3  {
4      public static void main(String[] args)
5      {
6          int i;
7          for(i=1;i<=6;i++)
8          {
9              for(int j=6;j>=i;j--)
10             {
11                 if(j==6)
12                 {
13                     System.out.print("1");
14                 }
15                 else
16                 {
17                     System.out.print("0");
18                 }
19             }
20             System.out.print(",");
21         }
22     }
23 }
24 //OUTPUT: -100000,10000,1000,100,10,1,
25
```



```
1  //PROGRAM-3
2  class Main
3  {
4      public static void main(String[] args)
5      {
6          int sum=3,i;
7          for(i=1;i<=4;i++)
8          {
9              sum=(sum*sum)-1;
10             System.out.print(sum);
11             System.out.print(",");
12             sum=sum;
13         }
14     }
15 }
16 //OUTPUT: -8,63,3968,15745023,
17
```



```
1  class Main
2  {
3      public static void main(String[] args) {
4          int i,sq=1;
5          for(i=0;i<=4;i++)
6          {
7              sq=(i+sq)*(i+sq);
8              System.out.print((sq));
9              System.out.print(",");
10
11          }
12      }
13
14  }
15
16  output:- 1,4,36,1521,2325625,
```