PROBLEM –1

```
1    import java.util.Scanner;
2    class pascaltri{
        Run main | Debug main
3        public static void main(String[] args) {
4            Scanner sc = new Scanner(System.in);
5            int no = sc.nextInt();
6            int c = 1;
7            for(int i=0;i<=no;i++){
8                for (int j = 1; j <= no - i; j++) {
9                    System.out.print(" ");
10               }
11               for(int j=0;j<=i;j++){
12                   if(i==0||j==0){
13                       System.out.print("1 ");
14                   }
15                   else{
16                       c=c*(i-j+1)/j;
17                       System.out.print(c+" ");
18                   }
19               }
20               System.out.println();
21           }
22       }
23   }
```

Output

```
PS E:\BEA032> java pascaltri
5
        1
       1 1
      1 2 1
     1 3 3 1
    1 4 6 4 1
   1 5 10 10 5 1
```

1)Collection are Similar to Array

2) But Dynamic

3)Can store more than one Element in a Single variable name in different Mode