

```
1 public class Main
2 {
3     public static long factorial(int i)
4     {
5         return (i < 1) ? 1 : i * factorial(i - 1);
6     }
7
8     public static void main(String[] args)
9     {
10        System.out.println("K.Durga Sri sravya SAP]
11        int i = 7;
12        System.out.println("The Factorial of " + i
13    }
14 }
```

x Terminal



K.Durga Sri sravya SAPID:51836473
The Factorial of 7 is 5040

Process finished.

```
1 abstract class Bank
2 {
3     abstract int getBalance();
4 }
5 class BankA extends Bank
6 {
7     int deposit=100;
8     int getBalance()
9     {
10         return deposit;
11     }
12 }
13 class BankB extends Bank
14 {
15     int deposit=150;
16     int getBalance()
17     {
18         return deposit;
19     }
20 }
21 class BankC extends Bank
22 {
23     int deposit=200;
24     int getBalance()
25     {
26         return deposit;
27     }
28 }
29 class Main
30 {
31     public static void main(String args[])
32     {
33         System.out.println("K.Durga sri sravya SAPID:51
34         //object for Bank A
35         BankA i=new BankA();
36         System.out.println("Balance in Bank A: "+i.getE
37
38         //object for Bank B
39         BankB j=new BankB();
40         System.out.println("Balance in Bank B: "+j.getE
41
42         //object for Bank C
43         BankC k=new BankC();
44         System.out.println("Balance in Bank C: "+k.getE
45
46         File info ⓘ
```



```
14 {  
15     int deposit=15000;  
16     int getBalance()  
17     {  
18         return deposit;  
19     }  
20 }  
21 class BankC extends Bank  
22 {  
23     int deposit=100;  
24     int getBalance()  
25     {  
26         return deposit;  
27     }  
28 }  
29 class Main  
30 {  
31     public static void main(String args[])  
32     {  
33         System.out.println("K.Durga sri sravya SAPID:51836473")  
34         //object for Bank A  
35         BankA i=new BankA();  
36         System.out.println("Balance in Bank A: "+i.getBalance())  
37  
38         //object for Bank B  
39         BankB j=new BankB();  
40         System.out.println("Balance in Bank B: "+j.getBalance())  
41  
42         //object for Bank C  
43         BankC k=new BankC();  
44         System.out.println("Balance in Bank C: "+k.getBalance())  
45     }  
46 }
```

x Terminal



```
K.Durga sri sravya SAPID:51836473  
Balance in Bank A: 1000  
Balance in Bank B: 15000  
Balance in Bank C: 100
```

Process finished.

```
1 import java.util.Scanner;
2 class Pattern
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("K.Durga sri sravya SAPID");
8         System.out.println("Enter the number of rows");
9         int n=sc.nextInt();
10        for(int i=n;i>=1;i--)
11        {
12            for(int j=n;j>i;j--)
13            {
14                System.out.print(" ");
15            }
16            for(int j=2*i-1;j>=1;j--)
17            {
18                if(j%2==0)
19                {
20                    System.out.print("0");
21                }
22                else
23                {
24                    System.out.print("1");
25                }
26            }
27            System.out.println();
28        }
29    }
30 }
```

x Terminal



```
K.Durga sri sravya SAPID:51836473
Enter the number of rows :
4
1010101
10101
101
```

```
1 import java.util.Scanner;
2 class Pattern
3 {
4     public static void main(String args[])
5     {
6         Scanner sc=new Scanner(System.in);
7         System.out.println("K.Durga sri sravya SAPID:51836473");
8         System.out.println("Enter the number of rows :");
9         int n=sc.nextInt();
10        for(int i=n;i>=1;i--)
11        {
12            for(int j=n;j>i;j--)
13            {
14                System.out.print(" ");
15            }
16            for(int j=2*i-1;j>=1;j--)
17            {
18                if(j%2==0)
19                {
20                    System.out.print("0");
21                }
22                else
```

x Terminal



```
K.Durga sri sravya SAPID:51836473
Enter the number of rows :
4
1010101
10101
101
1
```

Process finished.

```
1 import java.util.Scanner;
2
3 public class Main
4 {
5     int Id;
6     String Name;
7     int Age;
8     long Salary;
9
10    void GetData()           // Defining GetData()
11    {
12
13        Scanner sc = new Scanner(System.in);
14
15        System.out.print("\n\tEnter Employee");
16        Id = Integer.parseInt(sc.nextLine());
17
18        System.out.print("\n\tEnter Employee");
19        Name = sc.nextLine();
20
21        System.out.print("\n\tEnter Employee");
22        Age = Integer.parseInt(sc.nextLine());
23
24        System.out.print("\n\tEnter Employee");
25        Salary = Integer.parseInt(sc.nextLine());
26
27    }
28
29    void PutData()           // Defining PutData()
30    {
31        System.out.print("\n\t" + Id + "\t" +
32    }
33
34    public static void main(String args[])
35    {
36
37        System.out.println("K.Durga sri Sravya");
38        Main[] M = new Main[10];
39        int i;
40
41        for (i=0; i<10; i++)
42            M[i] = new Main(); // All objects are created
43
44        for (i=0; i<10; i++)
45            System.out.println(M[i].Id + " " + M[i].Name + " " + M[i].Age + " " + M[i].Salary);
46
47    }
48
49    Main()
50    {
51        Id = 0;
52        Name = " ";
53        Age = 0;
54        Salary = 0;
55    }
56
57    void SetData(int id, String name, int age, long salary)
58    {
59        Id = id;
60        Name = name;
61        Age = age;
62        Salary = salary;
63    }
64
65    void ShowData()
66    {
67        System.out.println(Id + " " + Name + " " + Age + " " + Salary);
68    }
69
70 }
```

Make public  (i=0;i<10;i++)

M[i] = new Main(); // All objects are created



```
21 System.out.print("\n\tEnter Employee Age : ");
22 Age = Integer.parseInt(sc.nextLine());
23
24 System.out.print("\n\tEnter Employee Salary : ");
25 Salary = Integer.parseInt(sc.nextLine());
26
27 }
28
29 void PutData() // Defining PutData()
30 {
31     System.out.print("\n\t" + Id + "\t" + Name + " "
32 }
33
34 public static void main(String args[])
35 {
36
37     System.out.println("K.Durga sri Sravya SAPID:");
38     Main[] M = new Main[10];
39     int i;
40
41     for(i=0;i<10;i++)
42         M[i] = new Main(); // Allocating memory
43
44     for(i=0;i<10;i++)
45     {
46         System.out.print("\nEnter details of "+ (
47             M[i].GetData());
48     }
49
50     System.out.print("\nDetails of Employees\n");
51     for(i=0;i<3;i++)
52         M[i].PutData();
53
54 }
55
```



x Terminal



K.Durga sri Sravya SAPID:51836473

Enter details of 1 Employee

Enter Employee Id : 22

Enter Employee Name : sri

Enter Employee Age : 18

Enter Employee Salary : 20000

Enter details of 2 Employee

Enter Employee Id : 123

Enter Employee Name : sravya

Enter Employee Age : 19

Enter Employee Salary : 25000

Enter details of 3 Employee

Enter Employee Id :