**LAB NO 3 TASKS:**

**ROLL NO 21SW084:**

**Question no 4;**

import java.util.Scanner;  
public class Diamond  
{  
 public static void main(String[] args)  
 {  
 int n, i, j, space = 1;  
 System.*out*.print("Enter the number of rows: ");  
 Scanner s = new Scanner(System.*in*);  
 n = s.nextInt();  
 space = n - 1;  
 for (j = 1; j <= n; j++)  
 {  
 for (i = 1; i <= space; i++)  
 {  
 System.*out*.print(" ");  
 }  
 space--;  
 for (i = 1; i <= 2 \* j - 1; i++)  
 {  
 System.*out*.print("\*");  
 }  
 System.*out*.println("");  
 }  
 space = 1;  
 for (j = 1; j <= n - 1; j++)  
 {  
 for (i = 1; i <= space; i++)  
 {  
 System.*out*.print(" ");  
 }  
 space++;  
 for (i = 1; i <= 2 \* (n - j) - 1; i++)  
 {  
 System.*out*.print("\*");  
 }  
 System.*out*.println("");  
 }  
 }  
}

**Output:**

Enter the number of rows: 5

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**Question no1**

**i**mport java.util.Scanner;  
public class Numbers {  
 public static void main(String[] args) {  
 System.*out*.println("Series Of Even Numbers");  
 System.*out*.println("Enter the Limit : ");  
 Scanner scan=new Scanner(System.*in*);  
 int x= scan.nextInt();  
 int num=1;  
 while(num<=x){  
 if(num%2==0){  
 System.*out*.println(num);  
 }  
 num++;  
 }  
 System.*out*.println("Series Of Odd Numbers ");  
 System.*out*.println("Enter the Limit : ");  
 Scanner s=new Scanner(System.*in*);  
 x= s.nextInt();  
 num=1;  
 while(num<=x){  
 if(num%2==1){  
 System.*out*.println(num);  
 }  
 num++;  
 }  
  
  
 }  
}

**Output:**

Series Of Even Numbers

Enter the Limit :

10

2

4

6

8

10

Series Of Odd Numbers

Enter the Limit :

14

1

3

5

7

9

11

13

**Question no 1**

public class ASCII {  
 public static void main(String[]args){  
 int i=0;  
 do{  
 System.*out*.println((char) +i);  
 i++;  
 }  
 while (i<=255);  
 }  
}

Output:

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**QUESTION NO 3**

import java.util.Scanner;  
  
public class Table {  
 public static void main(String[] args) {  
 Scanner scan = new Scanner(System.*in*);  
 System.*out*.println("Enter Starting Point : ");  
 int num1 = scan.nextInt();  
 System.*out*.println("Enter Ending Point : ");  
 int num2= scan.nextInt();  
 System.*out*.println("Enter Table Number : ");  
 int t= scan.nextInt();  
 for(int i=num1;i<=num2;i++){  
 System.*out*.println(t+"x"+i+"="+t\*i);  
 }  
 }  
}

**OUTPUT**

Enter Starting Point :

3

Enter Ending Point :

5

Enter Table Number :

2

2x3=6

2x4=8

2x5=10

Process finished with exit code 0