Name :- Aniket.P.Waghmare Roll No :- 304D065 Batch :- D4

**PROGRAM**:-

import java.util.Scanner;

class Calculator

{

public static void main(String arg[])

{

int num1,num2;

int choice=0;

Scanner s= new Scanner(System.in);

do {

System.out.println("Enter two number");

num1 = s.nextInt();

num2 = s.nextInt();

System.out.println("Enter choice 1-Addition\n 2-Subtraction\n 3-Multiplication \n 4-Division \n 5-Factorial \n 6-Exit");

choice = s.nextInt();

switch (choice) {

case 1:

System.out.println("Addition is " + add(num1,num2));

break;

case 2:

System.out.println("Subtraction is " + sub(num1,num2));

break;

case 3:

System.out.println("Multiplication is " + multiply(num1,num2));

break;

case 4:

System.out.println("Division is " + division(num1,num2));

break;

case 5:

factorial(num1);

break;

case 6:

break;

default:

System.out.println("Invalid choice ");

}

}

while (!(choice==6));

}

public static int add(int a, int b)

{

return a+b;

}

public static int sub(int a, int b)

{

return a-b;

}

public static int multiply(int a, int b)

{

return a\*b;

}

public static int division(int a, int b)

{

return a/b;

}

public static int factorial(int n)

{

if(n==0)

{

return 1;

}

return n\*factorial(n-1);

}

}

**OUTPUT**:-

Enter two number

5

6

Enter choice 1-Addition

2-Subtraction

3-Multiplication

4-Division

5-Factorial

6-Exit

3

Multiplication is 30

Enter two number

6

7

Enter choice 1-Addition

2-Subtraction

3-Multiplication

4-Division

5-Factorial

6-Exit

2

Subtraction is -1

Enter two number