

Practical – 9

Object: WAP to find the factorial of a given number using Recursion.

Program:

Factorial.java

```
import java.util.Scanner;

class Factorial

{

    public int getFactorial(int num)

    {

        if(num==0)

        {

            return 1;

        }

        else

        {

            return num*getFactorial((num-1));

        }

    }

    public static void main(String []args)

    {

        Scanner sc=new Scanner(System.in);

        System.out.print("Enter the number to find factorial: ");

        int num=sc.nextInt();

        Factorial ob=new Factorial();

        System.out.println("Factorial of "+num+"= "+ob.getFactorial(num));

    }

}
```