

Program to find the factorial of a number using recursion

```
import java.io.*;

class recurs
{
    public static void main(String arg[])
    {
        int num=0;
        DataInputStream ins=new DataInputStream(System.in);

        try
        {
            System.out.print("Enter the no.");
            num=Integer.parseInt(ins.readLine());
        }
        catch(IOException e)
        {}

        System.out.print("Factorial is "+fact(num));
    }

    static int fact(int n)
    {
        if(n==1)
            return 1;
        else
            return (n*fact(n-1));
    }
}
```

```
}  
}
```

Output:

```
C:\Documents and Settings\Administrator\Desktop\java\New Folder>javac recurs.java  
Note: recurs.java uses or overrides a deprecated API.  
Note: Recompile with -Xlint:deprecation for details.  
  
C:\Documents and Settings\Administrator\Desktop\java\New Folder>java recurs  
Enter the no.5  
Factorial is 120
```

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