## **PROGRAM 3**

Create an android application to find the factorial of a given number.

## XML\_CODE

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    <LinearLayout
         android:layout width="match parent"
         <EditText
             android:layout weight="1"
         android:layout marginTop="3pt"
         </Button>
        android:layout_width="match_parent" android:layout_marginLeft="5pt"
```

## JAVA CODE

```
ackage com.factorial;
import androidx.appcompat.app.AppCompatActivity;
       num1=Float.parseFloat(etNum1.getText().toString());
```

```
switch (v.getId()) {
    case R.id.btnAdd:
        oper = "+";
        for(int i=1;i<=num1;i++)
        {
            fact=fact*i;
        }
        result=fact;
        break;
    default:
        break;
}

// form the output line
    tvResult.setText("Factorial of"+ " " + num1 + " = " + result);
}</pre>
```

## **OUTPUT**

