

Practical No - 18

Name – Aakash Mohole

RollNo – 56

Enroll No – 1915770205

Q1]

XML –

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/et1"
        android:layout_marginLeft="50dp"
        android:layout_marginRight="50dp"
        android:layout_marginTop="200dp"
        android:gravity="center"
        android:hint="Enter URL">

    </EditText>

    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

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```
        android:id="@+id/bt1"

        android:layout_marginTop="280dp"

        android:layout_marginRight="80dp"

        android:layout_marginLeft="80dp"

        android:text="Navigate">

    </Button>

</RelativeLayout>

JAVA-

package com.example.powerofintent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import com.google.android.material.badge.BadgeUtils;

public class MainActivity extends AppCompatActivity {

    EditText et1;

    Button bt1;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

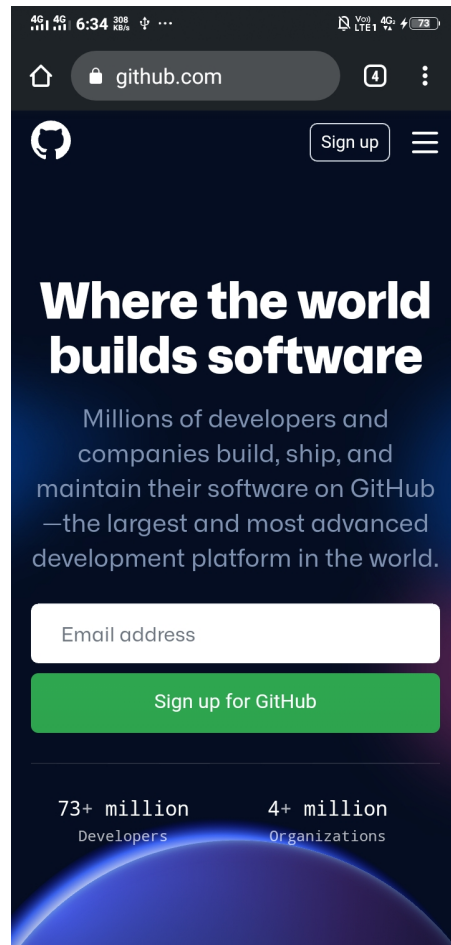
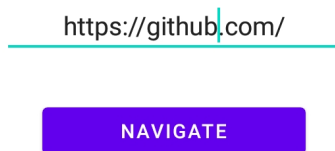
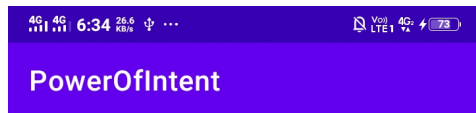
        et1 = findViewById(R.id.et1);

        bt1 = findViewById(R.id.bt1);
```

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```
bt1.setOnClickListener(new View.OnClickListener() {  
    @Override  
    public void onClick(View view) {  
        String url = et1.getText().toString();  
        Intent intent = new Intent(Intent.ACTION_VIEW,  
Uri.parse(url));  
        startActivity(intent);  
    }  
});  
}  
}
```

OUTPUT –



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Q2]

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="AAKASH"
        android:gravity="center"
        android:textSize="40dp"
        android:letterSpacing=".5"
        android:textStyle="bold"
        android:layout_marginTop="200dp"
        >

    </TextView>

    <Button
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/bt1"
        android:layout_marginTop="280dp"
        android:layout_marginRight="80dp"
```

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```
        android:layout_marginLeft="80dp"

        android:text="Start Dialer">

    </Button>

</RelativeLayout>

JAVA -

package com.example.dailer;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.net.Uri;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends AppCompatActivity {

    EditText et1;

    Button bt1;

    @Override

    protected void onCreate(Bundle savedInstanceState) {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

        bt1 = findViewById(R.id.bt1);

        bt1.setOnClickListener(new View.OnClickListener() {

            @Override
```

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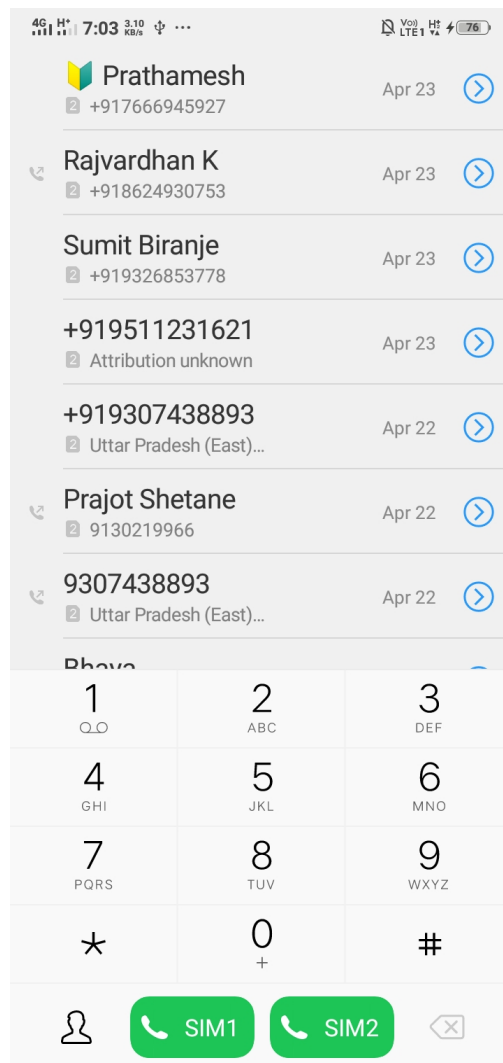
```
public void onClick(View view) {  
    Intent intent = new Intent(Intent.ACTION_DIAL);  
    startActivity(intent);  
}  
});  
}  
}
```

OUTUT -



A A K A S H

START DIALER



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Q3]

XML 1-

```
<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:hint="Enter Number to Find Factorial"
        android:id="@+id/et1"
        android:layout_marginTop="250dp"
        android:gravity="center"
        android:layout_marginLeft="50dp">

    </EditText>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:gravity="center"
        android:text="Factorial"
        android:id="@+id/bt1"
        android:layout_marginTop="320dp"
```

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```
        android:layout_marginLeft="130dp">  
        </Button>  
</RelativeLayout>
```

JAVA 1 -

```
package com.example.expliciteintent;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
    EditText et1;  
    Button bt1;  
  
    public int factorial = 1;  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);
```


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```
setContentView(R.layout.activity_main);

et1 = (EditText) findViewById(R.id.et1);
bt1 = (Button) findViewById(R.id.bt1);

bt1.setOnClickListener(new View.OnClickListener() {

    @Override

    public void onClick(View view) {

        int num = 0;

        if(!et1.getText().toString().equals(""))

            num = Integer.parseInt(et1.getText().toString());

        for(int i=1; i<= num; i++){

            factorial = i * factorial;

        }

        Intent intent= new
Intent(getApplicationContext(),MainActivity2.class);

        intent.putExtra("msg",factorial);

        startActivity(intent);

    }

});

}

}
```

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XML 2 -

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity2">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:id="@+id/tv1"
        android:gravity="center"
        android:text=""
        android:textSize="30dp"
        android:textStyle="bold">

    </TextView>
</RelativeLayout>
```

Java 2-

```
package com.example.expliciteintent;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

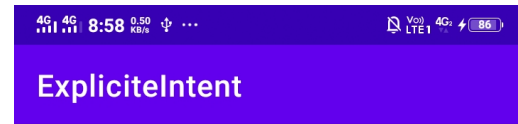
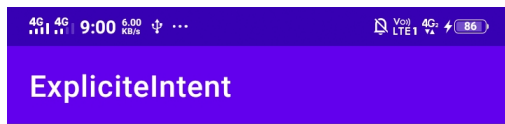
import android.os.Bundle;

import android.widget.TextView;
```

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```
public class MainActivity2 extends AppCompatActivity {  
    TextView tv1;  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main2);  
        tv1 = (TextView) findViewById(R.id.tv1);  
        Intent intent = getIntent();  
        String str = intent.getStringExtra("msg");  
        tv1.setText("Factorial is: "+str);  
    }  
}
```

OUTPUT -



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FACTORIAL

Factorial is: 120