Program 5. Create an application to show happy face smiley and sad face smiley to demonstrate button click events.

```
Main activity.java
package com.mca.smiley button;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
Button button;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity main);
button = (Button) findViewById(R.id.button);
    button.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
openNewActivity();
      }
    });
```

}

```
public void openNewActivity(){
    Intent intent = new Intent(this, MainActivity2.class);
startActivity(intent);
  }
}
Main activity2.java
package com.mca.smiley button;
import android.content.Intent; import android.os.Bundle;
import android.view.View; import android.widget.Button;
import com.mca.smiley button.databinding.ActivityMain2Binding;
import androidx.appcompat.app.AppCompatActivity;
import androidx.navigation.ui.AppBarConfiguration;
public class MainActivity2 extends AppCompatActivity {
Button button1;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_sec);
button1 = (Button) findViewById(R.id.button1);
    button1.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
            openNewActivity();
```

```
}
});

public void openNewActivity(){
   Intent intent1 = new Intent(this,MainActivity.class);
startActivity(intent1);
}
```

Activity main.xml

Activity sec.xml

Faceview.java

```
public FaceView2 (Context context, AttributeSet attrs)
protected void onDraw(Canvas canvas) {
```

Output:



