

CYCLE-2

1. create two activity from the first activity on a button click move second activity

xmlcode

```
<LinearLayout android:layout_width="match_parent"
android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    xmlns:android="http://schemas.android.com/apk/res/android">
<Button
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="MOVE TO NEXT ACTIVITY"
    android:id="@+id/bt"
    android:onClick="click"
    android:gravity="center"/>
</LinearLayout>
```

xmlcode

```
<LinearLayout android:layout_width="match_parent"
android:layout_height="match_parent"

    android:orientation="vertical"
    android:gravity="center"
    android:background="@android:color/holo_blue_light"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="WELCOME TO THE SECOND ACTIVITY"
        android:id="@+id/tv" />
</LinearLayout>
```

java code

```
package com.example.sjcet.cycle2pgm1;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
    Button bt;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
```

```

    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    bt = findViewById(R.id.bt);
}
public void click(View view) {
    OpenNewActivity();
}
public void OpenNewActivity()
{
    Intent intent=new Intent(this, Main2Activity.class);
    startActivity(intent);
}
}

```

java code

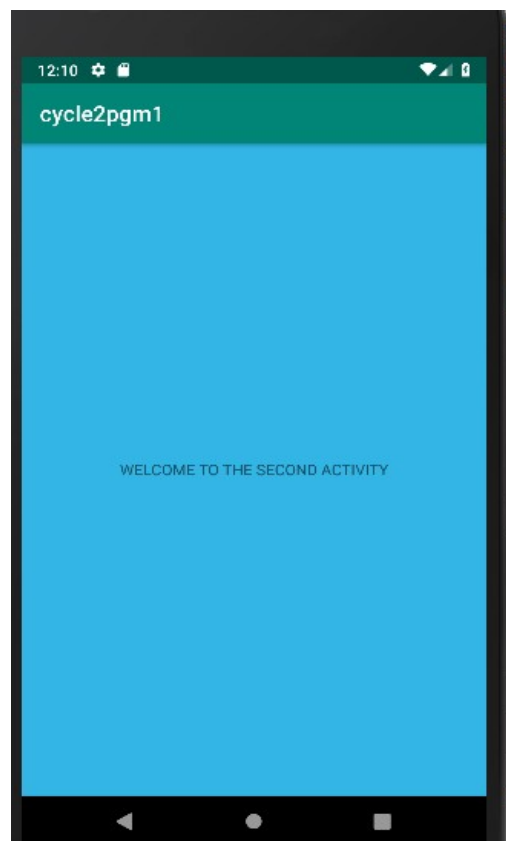
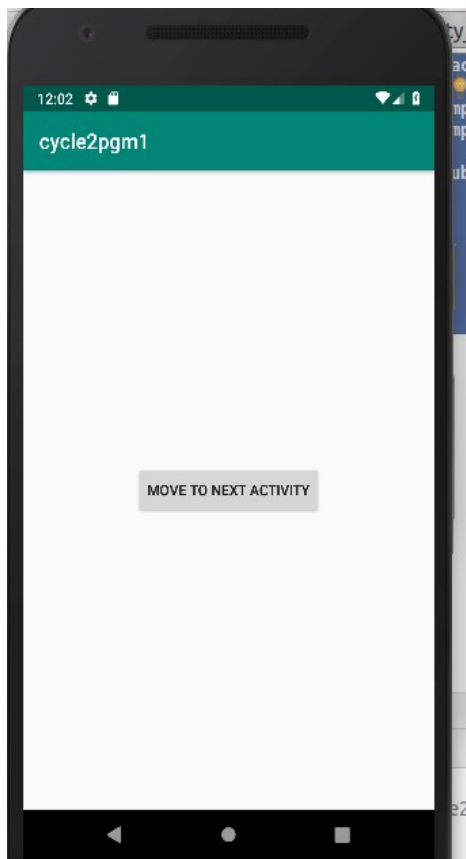
```

package com.example.sjcet.cycle2pgm1;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
public class Main2Activity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
    }
}

```

output



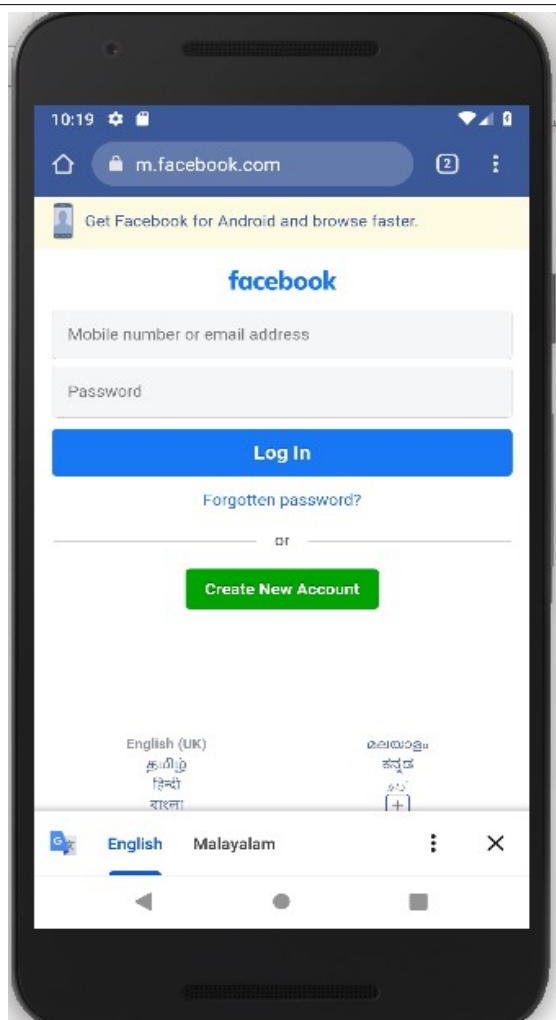
2.Create an activity and move to the facebook login page on button click
xml code

```
<LinearLayout android:layout_width="match_parent" android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="MOVE TO FB PAGE"
        android:id="@+id/bt"
        android:onClick="click"
        android:gravity="center"/>
</LinearLayout>
```

java code

```
package com.example.sjcet.cycle2pgm2;
import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Button btn_Explicit = (Button)findViewById(R.id.bt);
        btn_Explicit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new
Intent(Intent.ACTION_VIEW,Uri.parse("https://www.facebook.com/"));
                startActivity(intent);
            }
        });
    }
}
```

output



3. Read a message in the first activity on a button click it to the second activity on a button click

xml code

```
<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=".first_activity">
<EditText
    android:id="@+id/send_text_id"
    android:layout_width="300dp"
    android:layout_height="wrap_content"
    android:textSize="25dp"
    android:hint="Input"
    android:textStyle="bold"
    android:layout_marginTop="20dp"
    android:layout_marginLeft="40dp"/>
<Button
    android:id="@+id/send_button_id"
    android:layout_width="wrap_content"
    android:layout_height="40dp"
    android:text="send"
    android:textStyle="bold"
    android:layout_marginTop="150dp"
    android:layout_marginLeft="150dp"/>
</RelativeLayout>
```

xml code

```
<?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="org.HELLO_WORLD.navedmalik.sendthedata.Second_activity">
    <TextView
        android:id="@+id/received_value_id"
        android:layout_width="300dp"
        android:layout_height="50dp"
        android:textStyle="bold"
        android:textSize="40dp"
        android:layout_marginTop="20dp"
        android:layout_marginLeft="40dp"/>
</RelativeLayout>
```

javacode

package com.example.sjcet.pgm3;

```
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    Button send_button;
    EditText send_text;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        send_button = (Button)findViewById(R.id.send_button_id);
        send_text = (EditText)findViewById(R.id.send_text_id);
        send_button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String str = send_text.getText().toString();
                Intent intent = new Intent(getApplicationContext(),
Main2Activity.class);
                // now by putExtra method put the value in key, value pair
                // key is message_key by this key we will receive the value, and put
the string
                intent.putExtra("message_key", str);
                // start the Intent
                startActivity(intent);
            }
        });
    }
}
```

java code

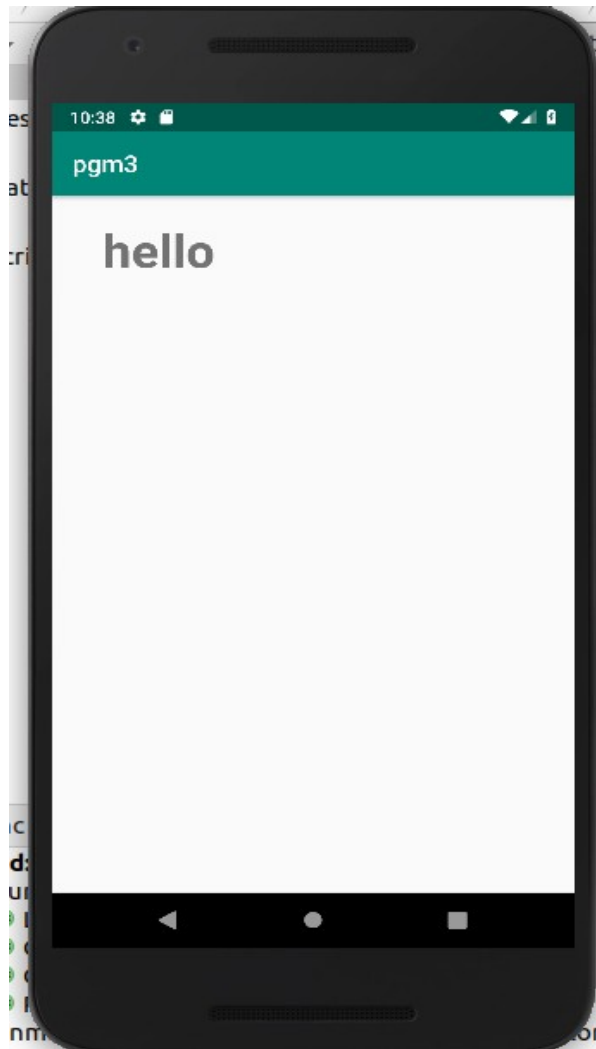
```
package com.example.sjcet.pgm3;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class Main2Activity extends AppCompatActivity {
    TextView receiver_msg;
```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main2);
    receiver_msg = (TextView)findViewById(R.id.received_value_id);
    // create the get Intent object
    Intent intent = getIntent();
    // receive the value by getStringExtra() method
    // and key must be same which is send by first activity
    String str = intent.getStringExtra("message_key");
    // display the string into textView
    receiver_msg.setText(str);
}
}

```

output



4.Create registration page with full validation and pass the information to the second activity (**using shared preference**)

Mandatory fields : fname,lname,gender,email,phone number,password,dob(date picker)

xml code

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    >
    <EditText
        android:id="@+id/editTextName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter First Name"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/editTextlName"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Last Name"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/editTextgender"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Gender"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/editTextEmail"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Email"
        android:inputType="textPersonName" />
    <EditText
        android:id="@+id/editTextMobile"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Mobile Number"
        android:inputType="textEmailAddress" />
    <EditText
        android:id="@+id/editTextDob"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:ems="10"
        android:hint="Enter Date of Birth (DD/MM/YYYY)"
        android:inputType="date" />
```

```

<EditText
    android:id="@+id/editTextpassword"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:ems="10"
    android:hint="Enter Password"
    android:inputType="textPassword" />
<Button
    android:id="@+id/buttonSubmit"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:text="Submit" />
</LinearLayout>

```

xmlcode

```

<LinearLayout android:layout_width="match_parent" android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv"
    />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv1"
    />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv2"
    />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv3"
    />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv4"
    />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv5"
    />
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/tv6"
    />
</LinearLayout>

```

java code

```

package com.example.sjcet.sharedpreference;
import android.content.Intent;
import android.content.SharedPreferences;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;

```



```

import android.text.TextUtils;
import android.util.Patterns;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    EditText editTextName, editTextlName, editTextEmail, editTextMobile,
        editTextDob, editTextgender, editTextpassword;
    Button buttonSubmit;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        buttonSubmit = findViewById(R.id.buttonSubmit);
        editTextName = findViewById(R.id.editTextName);
        editTextlName = findViewById(R.id.editTextlName);
        editTextEmail = findViewById(R.id.editTextEmail);
        editTextMobile = findViewById(R.id.editTextMobile);
        editTextDob = findViewById(R.id.editTextDob);
        editTextgender = findViewById(R.id.editTextgender);
        editTextpassword = findViewById(R.id.editTextpassword);
        buttonSubmit.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                checkDataEntered();
                SharedPreferences mypref=getSharedPreferences("activity_main2.xml",0);
                SharedPreferences.Editor editor=mypref.edit();//only write editor
                editor.putString("fname",editTextName.getText().toString()); //bundle
the data
                editor.putString("lname",editTextlName.getText().toString());
                editor.putString("gender",editTextgender.getText().toString());
                editor.putString("phone",editTextMobile.getText().toString());
                editor.putString("pwd",editTextpassword.getText().toString());
                editor.putString("email",editTextEmail.getText().toString());
                editor.putString("dob",editTextDob.getText().toString());
                editor.commit();
                // String str = editTextName.getText().toString();
                //String str1 = editTextName.getText().toString();
                Intent intent = new Intent(getApplicationContext(),
Main2Activity.class);
                intent.putExtra("fname",editTextName.getText().toString());
                intent.putExtra("lname",editTextlName.getText().toString());
                intent.putExtra("gender",editTextgender.getText().toString());
                intent.putExtra("phone",editTextMobile.getText().toString());
                intent.putExtra("pwd",editTextpassword.getText().toString());
                intent.putExtra("email",editTextEmail.getText().toString());
                intent.putExtra("dob",editTextDob.getText().toString());
                startActivity(intent);
            }
        });
    }
    boolean isEmail(EditText text) {
        CharSequence email = text.getText().toString();
        return (!TextUtils.isEmpty(email) &&
Patterns.EMAIL_ADDRESS.matcher(email).matches());
    }
    boolean isEmpty(EditText text) {
        CharSequence str = text.getText().toString();
        return TextUtils.isEmpty(str);
    }
    void checkDataEntered() {
        if (isEmpty(editTextName)) {

```

```

        Toast t = Toast.makeText(this, "You must enter first name to register!",
Toast.LENGTH_SHORT);
        t.show();
    }
    if (isEmpty(editTextlName)) {
        editTextlName.setError("Last name is required!");
    }
    if (isEmpty(editTextMobile)) {
        editTextMobile.setError("mobile number is required!");
    }
    if (isEmpty(editTextgender)) {
        editTextgender.setError("Gender is required!");
    }
    if (isEmpty(editTextpassword)) {
        editTextpassword.setError("Password is required!");
    }
    if (isEmpty(editTextDob)) {
        editTextDob.setError("DOB is required!");
    }
    if (isEmail(editTextEmail) == false) {
        editTextEmail.setError("Enter valid email!");
    }
}
}

```

java code

```

package com.example.sjcet.sharedpreference;
import android.content.Intent;
import android.content.SharedPreferences;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
public class Main2Activity extends AppCompatActivity {
    TextView tv,tv1,tv2,tv3,tv4,tv5,tv6;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        tv=findViewById(R.id.tv);
        tv1=findViewById(R.id.tv1);
        tv2=findViewById(R.id.tv2);
        tv3=findViewById(R.id.tv3);
        tv4=findViewById(R.id.tv4);
        tv5=findViewById(R.id.tv5);
        tv6=findViewById(R.id.tv6);
        Intent intent =getIntent();
        SharedPreferences mypref=getSharedPreferences("activity_main2.xml",0);
        String str = mypref.getString("fname",null);
        String str1 = mypref.getString("lname",null);
        String str2 = mypref.getString("gender",null);
        String str3 = mypref.getString("phone",null);
        String str4 = mypref.getString("pwd",null);
        String str5 = mypref.getString("email",null);
        String str6 = mypref.getString("dob",null);
        tv.setText(str);
        tv1.setText(str1);
        tv2.setText(str2);
        tv3.setText(str3);
        tv4.setText(str4);
        tv5.setText(str5);
        tv6.setText(str6);
    }
}

```

output

