CYCLE -2

1.Create two activities and from the first activities on a button click move to the 2nd activity?

<u>**CODE**</u>

activity_main.xml

```xml
<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>
```

MainActivity.java

```java
package com.example.sjcet.cycle2program1;
import android.content.Intent;
import android.widget.Button;
import android.view.View;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import com.example.sjcet.cycle2program1.R;
public class MainActivity extends AppCompatActivity {
    Button bt;
    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,
com.example.sjcet.cycle2program1.activity_main2.class);
        startActivity(intent);
    }
}
```

activity_main2.xml

```xml
<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"
```
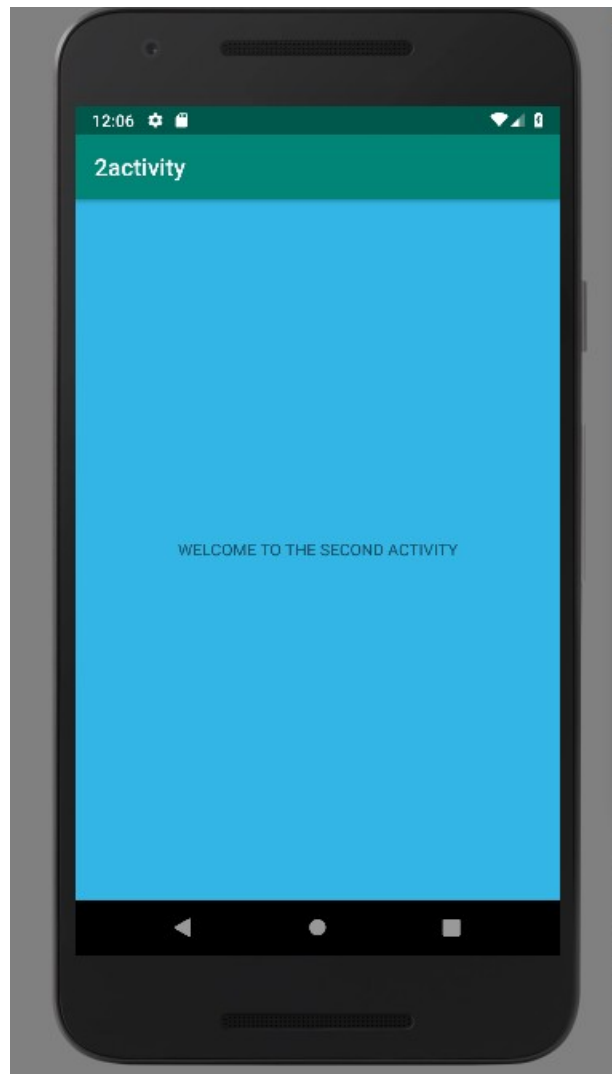
```
            android:text="WELCOME TO THE SECOND ACTIVITY"
            android:id="@+id/tv" />
</LinearLayout>
```

activity_main2.java

```
package com.example.sjcet.cycle2program1;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
public class activity_main2 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.

CODE

activity_main.xml

```xml
<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>
```

mainactivity.java

```java
package com.example.sjcet.facebook;
import android.content.Intent;
import android.net.Uri;
```
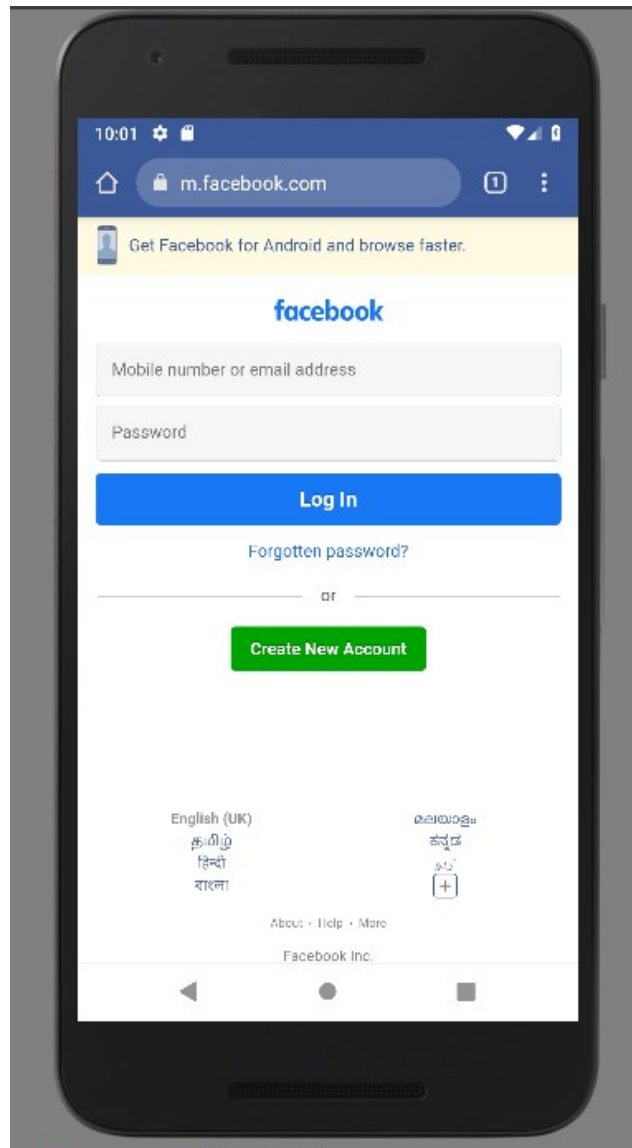
```java
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import com.example.sjcet.facebook.R;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        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 view) {
                Intent intent = new
Intent(Intent.ACTION_VIEW,Uri.parse("https://www.facebook.com/"));
                startActivity(intent);
            }
        });
    }
}
```

OUTPUT

3.Read a message which is in the 1st activity and pass it on the 2nd activity on a button click

CODE

activity_main.xml

```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=".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"
```

```xml
            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>
```

mainactivity.java

```java
package com.example.sjcet.read;
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 {
    // define the variable
    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);
        // add the OnClickListener in sender button
        // after clicked this button following Instruction will run
        send_button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v)
            {
                // get the value which input by user in EditText
                // and convert it to string
                String str = send_text.getText().toString();
                // Create the Intent object of this class Context() to Second_activity
class
                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);
            }
        });
    }
}
```

activity_main2.xml

```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"
```

```xml
        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>
```
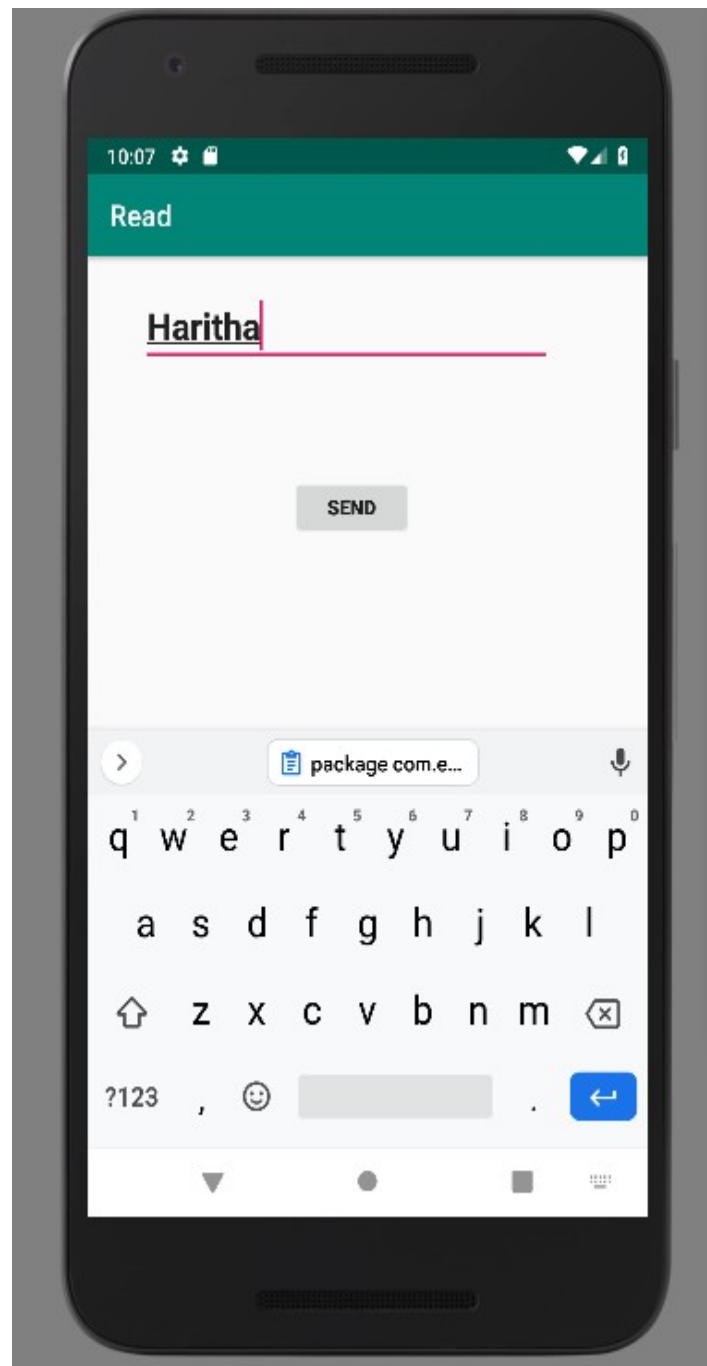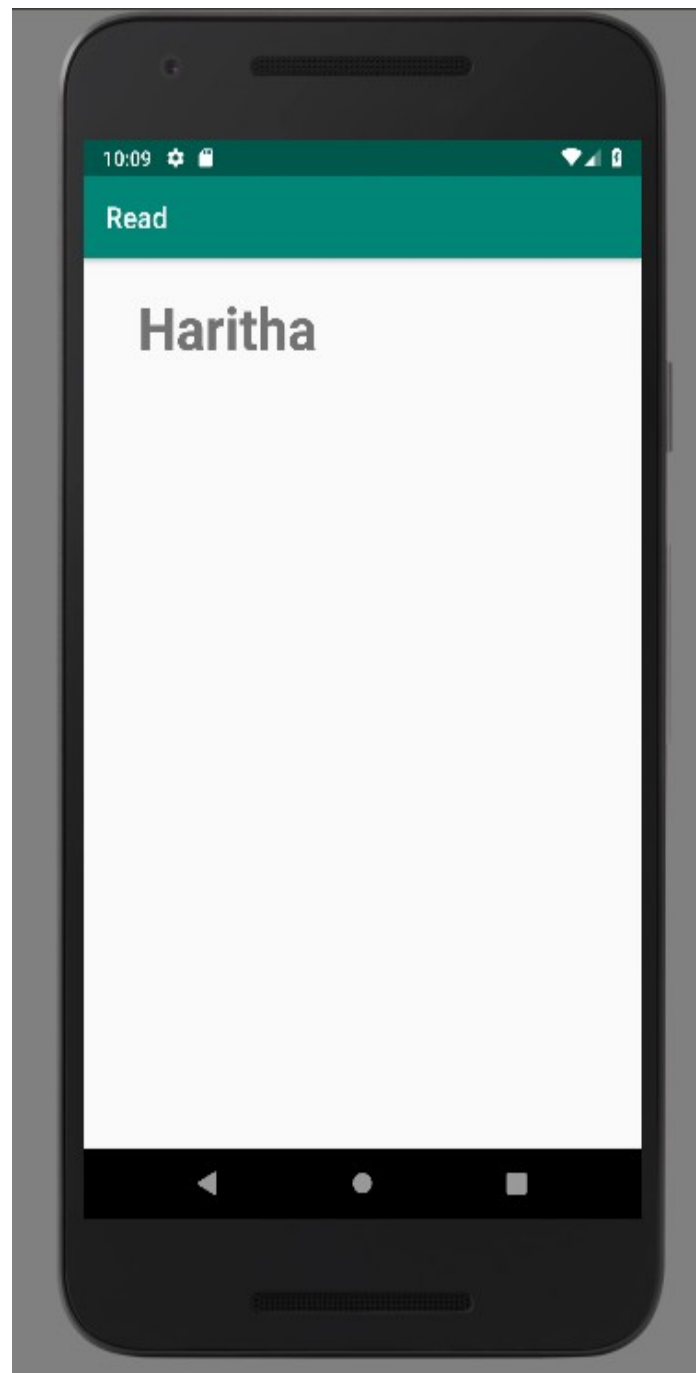
main2activity.java

```java
package com.example.sjcet.read;
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);
    }
}
```

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

CODE

activity_main.xml

```xml
<LinearLayout xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:layout_gravity="center"
    xmlns:android="http://schemas.android.com/apk/res/android" >
    <EditText
        android:id="@+id/fname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Enter First Name"/>
    <EditText
        android:id="@+id/lname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Enter Last Name"/>
    <EditText
        android:id="@+id/gender"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Enter Gender"/>
    <EditText
        android:inputType="textEmailAddress"
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Enter Email"/>
    <EditText
        android:inputType="number"
        android:id="@+id/phone"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Enter Phone Number"/>
    <EditText
        android:inputType="textPassword"
        android:id="@+id/pwd"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text=""
        android:hint="Enter Password"/>
    <TextView
        android:text="Enter DOB"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <EditText
        android:inputType="date"
        android:id="@+id/dob"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        />
```

```xml
    <Button
        android:id="@+id/register"
        android:onClick="click"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Register"/>
</LinearLayout>
```

mainactivity.java

```java
package com.example.sjcet.sharedpreference;
import android.content.Intent;
import android.content.SharedPreferences;
import android.preference.PreferenceManager;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.DatePicker;
import android.widget.EditText;
public class MainActivity extends AppCompatActivity {
    private SharedPreferences mPreferences;
    private SharedPreferences.Editor mEditor;
    EditText fname;
    EditText lname;
    EditText gender;
    EditText email;
    EditText phone;
    EditText pwd;
    EditText dob;
    Button register;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        fname = findViewById(R.id.fname);
        lname = findViewById(R.id.lname);
        gender = findViewById(R.id.gender);
        email = findViewById(R.id.email);
        phone = findViewById(R.id.phone);
        pwd = findViewById(R.id.pwd);
        email = findViewById(R.id.email);
        register = findViewById(R.id.register);
        dob = findViewById(R.id.dob);
    }
    public void click(View view) {
        SharedPreferences mypref=getSharedPreferences("activity_main2.xml",0);
        SharedPreferences.Editor editor=mypref.edit();//only write editor
        editor.putString("fname",fname.getText().toString()); //bundle the data
        editor.putString("lname",lname.getText().toString());
        editor.putString("gender",gender.getText().toString());
        editor.putString("email",email.getText().toString());
        editor.putString("phone",phone.getText().toString());
        editor.putString("pwd",pwd.getText().toString());
        //editor.putString("dob",dob.getText().toString());
        editor.commit();
        Intent intent=new Intent(getApplicationContext(),Main2Activity.class);
        startActivity(intent);

    }
}
```

activity_main2.xml

```xml
<LinearLayout android:layout_width="wrap_content"
    android:layout_height="match_parent"
    android:orientation="vertical"
    xmlns:android="http://schemas.android.com/apk/res/android" >
    <TextView
        android:id="@+id/fname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <TextView
        android:id="@+id/lname"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <TextView
        android:id="@+id/gender"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <TextView
        android:id="@+id/email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <TextView
        android:id="@+id/phone"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <TextView
        android:id="@+id/pwd"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
    <TextView
        android:id="@+id/dob"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />
</LinearLayout>
```

main2activity.java

```java
package com.example.sjcet.sharedpreference;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;
import android.content.SharedPreferences;
public class Main2Activity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        TextView fname,lname,gender,email,phone,pwd,dob;
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        fname=findViewById(R.id.fname);
        lname=findViewById(R.id.lname);
        gender=findViewById(R.id.gender);
        email=findViewById(R.id.email);
        phone=findViewById(R.id.phone);
        pwd=findViewById(R.id.pwd);
        dob=findViewById(R.id.dob);
        Intent intent = getIntent();
        //String str = intent.getStringExtra("Message_Key");
        // display the string into textView
```

```
        SharedPreferences
mypref=getSharedPreferences("activity_main2.xml",0);//&quot;myprefsfile&quot; is
filename
        String fn=mypref.getString("fname",null);
        String ln=mypref.getString("lname",null);
        String ge=mypref.getString("gender",null);
        String em=mypref.getString("email",null);
        String ph=mypref.getString("phone",null);
        String pass=mypref.getString("pwd",null);
        String db=mypref.getString("dob",null);
        fname.setText(fn);
        lname.setText(ln);
        gender.setText(ge);
        email.setText(em);
        phone.setText(ph);
        pwd.setText(pass);
        dob.setText(db);
    }
}
```

 OUTPUT