

MAD LAB CYCLE -2

1. Create 2 Activities from 1st Activity on click move to 2nd activity (Using Intent)

Program code:

Xml code

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="First Activity"
        android:textStyle="bold"
        android:layout_marginTop="10dp"
        android:textAlignment="center"
        style="@style/Animation.AppCompat.Dialog"
        android:textSize="30dp"/>
    <Button
        android:text="Click Me"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/button"
        android:onClick="click"
        android:textStyle="bold"
        android:layout_marginTop="200dp"
        android:background="#34eb3a"
        android:textSize="30dp"/>
</LinearLayout>
```

Activity2_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/activity_main2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Second Activity"
        android:textStyle="bold"
        android:layout_marginTop="10dp"
        android:textSize="30dp"
        android:textAlignment="center"/>
    <Button
        android:text="Go Back"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

```
        android:id="@+id/button2"
        android:onClick="clickback"
        android:textSize="30dp"
        android:background="#34eb3a"
        android:layout_marginTop="200dp"/>
</LinearLayout>
```

Java

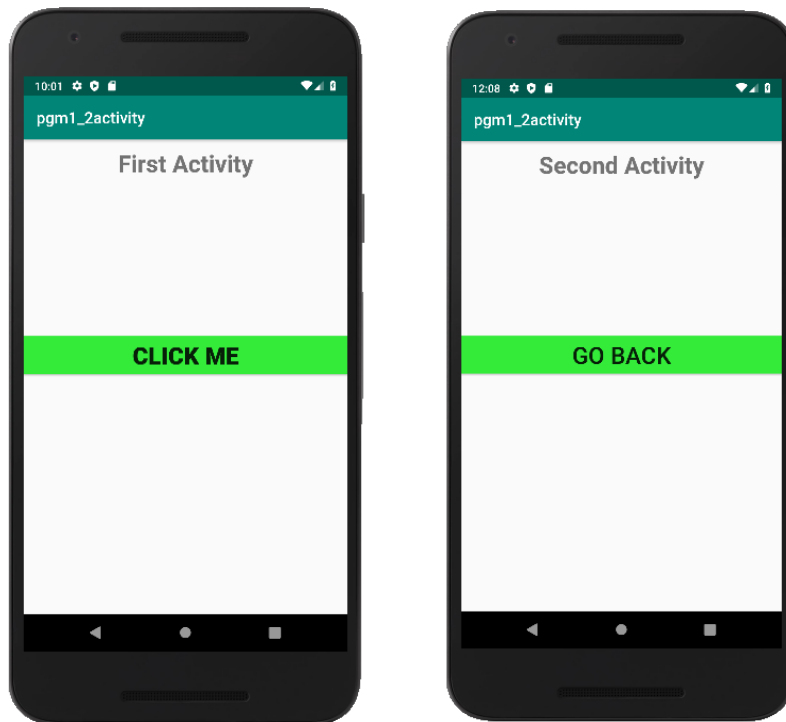
Activity main.java:

```
package com.example.sjcet.pgm1_2activity;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
    public void click(View view) {
        Intent intent = new Intent(MainActivity.this, Main2Activity.class);
        startActivity(intent);
    }
}
```

Activity2 main.java:

```
package com.example.sjcet.pgm1_2activity;
import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
public class Main2Activity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
    }
    public void clickback(View view) {
        Intent intent = new Intent(Main2Activity.this, MainActivity.class);
        startActivity(intent);
    }
}
```

Output



2. Create an Activity and move to facebook login page on a button click (making use of Intent).

Program code:

Xml code

Activity_main.xml:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    xmlns:android="http://schemas.android.com/apk/res/android">
    <Button
        android:onClick="click"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Facebook login"
        android:layout_centerInParent="true"
        android:textAlignment="center"
        android:layout_gravity="center"
        android:background="#006aff"
        android:textColor="#fff"/>
</LinearLayout>
```

Java

Activity_main.java:

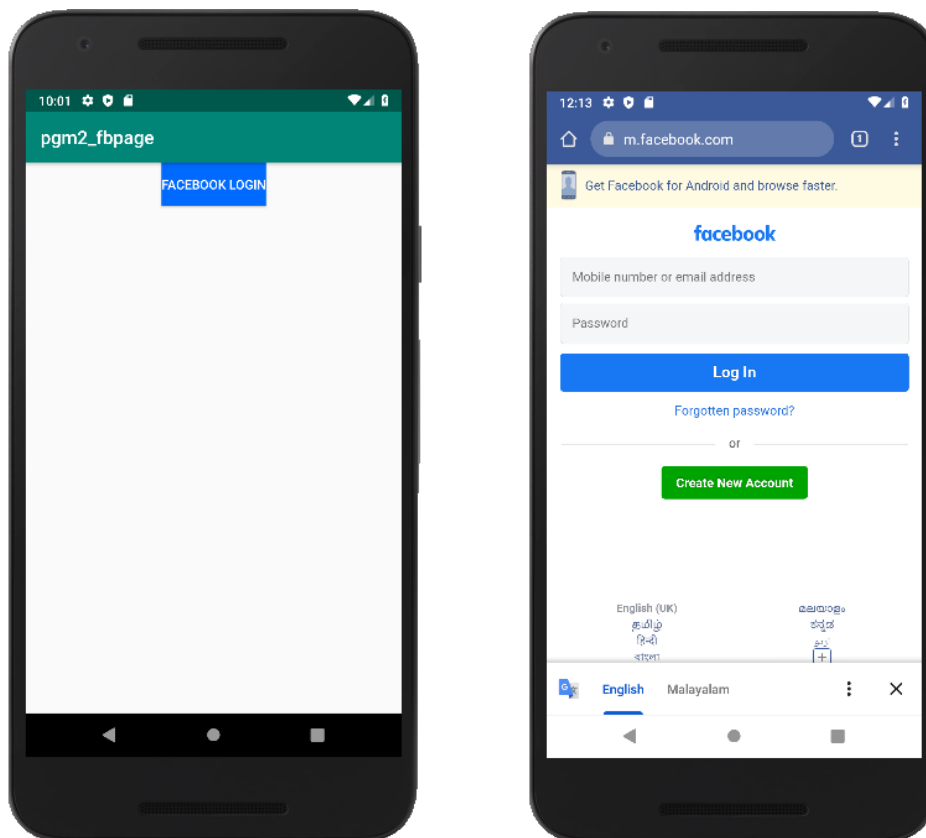
```
package com.example.sjcet.pgm2_fbpage;
import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
public class MainActivity extends AppCompatActivity {
```

```

@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
}
public void click(View view) {
    String url = "https://www.facebook.com";
    Intent i = new Intent(Intent.ACTION_VIEW);
    i.setData(Uri.parse(url));
    startActivity(i);
}
}

```

Output



3. Read message from 1st Activity and pass it onto the 2nd Activity on a button click.

Xml code

Activity_main.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/activity_main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
        android:layout_width="match_parent"

```

```

        android:layout_height="wrap_content"
        android:text="First Activity"
        android:textStyle="bold"
        android:layout_marginTop="10dp"
        android:textAlignment="center"
        android:textSize="30dp"/>
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Text"
        android:textColor="#000000"
        android:textSize="20dp"
        android:textStyle="bold"
        android:id="@+id/text" />
    <Button
        android:text="Click here"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/button"
        android:onClick="click"
        android:textStyle="bold"
        android:textSize="30dp"
        android:background="#ff00ae"
        android:textColor="#fff"
        android:layout_gravity="center_vertical" />
</LinearLayout>

```

Activity2 main.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:id="@+id/activity_main2"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Second Activity"
        android:textStyle="bold"
        android:layout_marginTop="10dp"
        android:textAlignment="center"
        android:textSize="30dp"/>
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="30dp"
        android:textColor="#000000"
        android:id="@+id/textreceived"
    />
    <Button
        android:text="Go Back"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/button2"
        android:textSize="30dp"
        android:background="#ff00ae"
        android:onClick="click"/>
</LinearLayout>

```

Java

Activity main.java:

```

package com.example.sjcet.pgm3_copymsg;
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 {
    EditText text;
    Button clickme;
    String Textthere;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        clickme = findViewById(R.id.button);
        text = findViewById(R.id.text);
        clickme.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Textthere = text.getText().toString();
                Intent intent = new Intent(MainActivity.this, Main2Activity.class);
                intent.putExtra("Text", Textthere);
                startActivity(intent);
            }
        });
    }
}

```

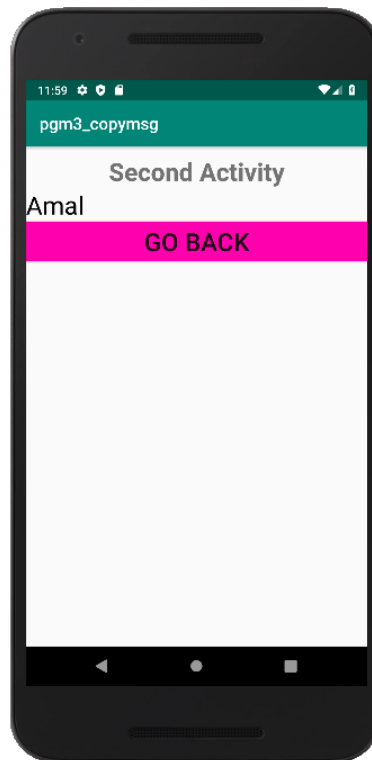
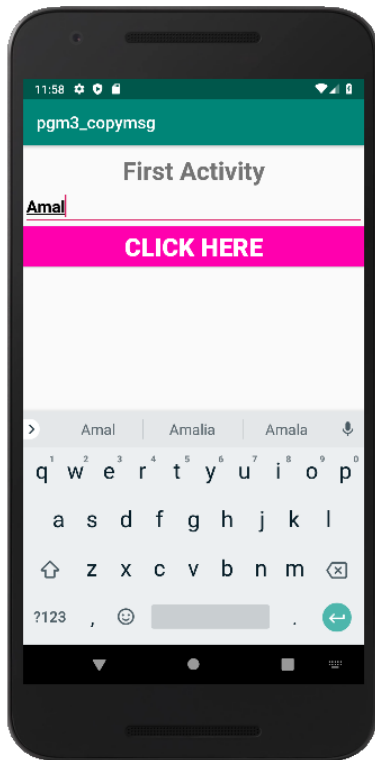
Activity2 main.java:

```

package com.example.sjcet.pgm3_copymsg;
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.TextView;
public class Main2Activity extends AppCompatActivity {
    TextView textreceived;
    Button button2;
    String text;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        text = getIntent().getExtras().getString("Text");
        textreceived = findViewById(R.id.textreceived);
        textreceived.setText(text);
        button2 = findViewById(R.id.button2);
        button2.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent intent = new Intent(Main2Activity.this, MainActivity.class);
                startActivity(intent);
            }
        });
    }
}

```

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)

Program code:

Xml code

Activity_main.xml:

```
<ScrollView xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android"
    tools:context=".MainActivity">
    <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:orientation="vertical"
        android:padding="10dp">
        <TextView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:background="@color/colorAccent"
            android:text="Register"
            android:textAlignment="center"
            android:textColor="#00fff7"
            android:textSize="15dp"
            android:textStyle="bold" />
```

```

<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="Firstname"
    android:textStyle="bold" />
<EditText
    android:id="@+id/fname"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="#fff"
    android:hint="Enter Firstname" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="Lastname"
    android:textStyle="bold" />
<EditText
    android:id="@+id/lname"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="#fff"
    android:hint="Enter Lastname" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="Gender"
    android:textStyle="bold" />
<RadioGroup
    android:id="@+id/gender"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="horizontal">
    <RadioButton
        android:id="@+id/male"
        android:layout_width="139dp"
        android:layout_height="22dp"
        android:text="Male" />
    <RadioButton
        android:id="@+id/female"
        android:layout_width="107dp"
        android:layout_height="22dp"
        android:text="Female" />
</RadioGroup>
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="Email"
    android:textStyle="bold" />
<EditText
    android:id="@+id/email"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:background="#fff"
    android:hint="Enter Email" />
<TextView
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="center"
    android:text="Phone Number"
    android:textStyle="bold" />
<EditText

```



```

        android:id="@+id/phoneno"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#fff"
        android:hint="Enter Phone Number" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:text="password"
        android:textStyle="bold" />
    <EditText
        android:id="@+id/password"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#fff"
        android:hint="Enter password" />
    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:text="Date of Birth"
        android:textStyle="bold" />
    <ScrollView xmlns:android="http://schemas.android.com/apk/res/android"
        android:layout_width="match_parent"
        android:layout_height="match_parent">
        <DatePicker
            android:id="@+id/dob"
            android:layout_width="match_parent"
            android:layout_height="273dp"
            android:datePickerMode="spinner">
        </DatePicker>
    </ScrollView>
    <Button
        android:id="@+id/btsubmit"
        android:layout_width="match_parent"
        android:layout_height="23dp"
        android:layout_marginTop="10sp"
        android:background="@color/colorAccent"
        android:text="submit"
        android:textColor="#00fff7"
        android:textSize="15dp"
        android:textStyle="bold" />
</LinearLayout>
</ScrollView>

```

Activity2_main.xml:

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical"
    android:layout_gravity="center">
    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="25dp"
        android:textColor="#9eff0000"
        android:text="welcome"
        android:textAlignment="center"/>
    <TextView
        android:id="@+id/text_fullname"

```

```

        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="18dp"
        android:textColor="#9e001eff"
        android:text="full_name-"
        android:layout_gravity="center"
        android:textStyle="bold"
        android:layout_margin="20dp"/>
    <TextView
        android:id="@+id/text_email"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:textSize="18dp"
        android:textColor="#9e001eff"
        android:text="email-"
        android:layout_gravity="center"
        android:textStyle="bold"
        android:layout_margin="20dp"/>
    <Button
        android:id="@+id/logout"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Logout"
        android:layout_gravity="center"
        android:layout_margin="20dp"
        android:background="#00e6ff"/>
</LinearLayout>

```

Java

Activity_main.java:

```

package com.example.sjcet.pgm4_regvalid;
import android.content.Intent;
import android.content.SharedPreferences;
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;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.Toast;
public class MainActivity extends AppCompatActivity {
    EditText firstname, lastname, uemail, uphoneno, upassword;
    RadioGroup gender;
    DatePicker dob;
    Button btnsubmit;
    SharedPreferences sharedPreferences;
    private static final String SHARED_PREF_NAME = "mypref";
    private static final String KEY_NAME = "name";
    private static final String KEY_EMAIL = "email";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        firstname = findViewById(R.id.fname);
        lastname = findViewById(R.id.lname);
        uemail = findViewById(R.id.email);
        uphoneno = findViewById(R.id.phoneno);
        upassword = findViewById(R.id.password);
    }
}

```

```

gender = findViewById(R.id.gender);
dob = findViewById(R.id.dob);
btnsubmit = findViewById(R.id.btnsubmit);
sharedPreferences = getSharedPreferences(SHARED_PREF_NAME,MODE_PRIVATE);
String name = sharedPreferences.getString(KEY_NAME,null);
if (name != null) {
    Intent intent = new Intent(MainActivity.this,Main2Activity.class);
    startActivity(intent);
}
btnsubmit.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View v) {
        SharedPreferences.Editor editor = sharedPreferences.edit();
        editor.putString(KEY_NAME,firstname.getText().toString());
        editor.putString(KEY_EMAIL,uemail.getText().toString());
        editor.apply();
        Intent intent = new Intent(MainActivity.this,Main2Activity.class);
        startActivity(intent);
        Toast.makeText(MainActivity.this, "", Toast.LENGTH_SHORT).show();
    }
});
}
}

```

Activity2 main.java:

package com.example.sicet.pgm4 regvalid;

```

import android.content.SharedPreferences;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.TextView;
import android.widget.Toast;
public class Main2Activity extends AppCompatActivity {
    TextView text_fullname,text_email;
    Button logout;
    SharedPreferences sharedPreferences;
    private static final String SHARED_PREF_NAME = "mypref";
    private static final String KEY_NAME = "name";
    private static final String KEY_EMAIL = "email";
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        text_email = findViewById(R.id.text_email);
        text_fullname = findViewById(R.id.text_fullname);
        logout = findViewById(R.id.logout);
        sharedPreferences = getSharedPreferences(SHARED_PREF_NAME,MODE_PRIVATE);
        String name = sharedPreferences.getString(KEY_NAME,null);
        String email = sharedPreferences.getString(KEY_EMAIL, null);
        if (name != null || email != null){
            text_fullname.setText("Full Name- "+name);
            text_email.setText("Email ID- "+email);
        }
        logout.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                SharedPreferences.Editor editor = sharedPreferences.edit();
                editor.clear();
                editor.commit();
                finish();
                Toast.makeText(Main2Activity.this,"logged out
successfully",Toast.LENGTH_SHORT).show();
            }
        }
    }
}

```

```

    });
}
}

```

Output

4:12

pgm4_regvalid

Register

Firstname

Enter Firstname

Lastname

Enter Lastname

Gender

☐ Male ☐ Female

Email

Enter Email

Phone Number

Enter Phone Number

password

Enter password

Date of Birth

< November 2021 >

| Oct | 22 | S | M | T | W | T | F | S |
|-----|----|----|----|----|----|----|----|----|
| | | 1 | 2 | 3 | 4 | 5 | 6 | |
| Nov | 23 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Dec | 24 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | | 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| | | 28 | 29 | 30 | | | | |

4:13

pgm4_regvalid

welcome

Full Name- amal

Email ID- amalts2022@gmail.com

LOGOUT