

Experiment 2.1

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Semester: 6th
Subject Name: MAD Lab

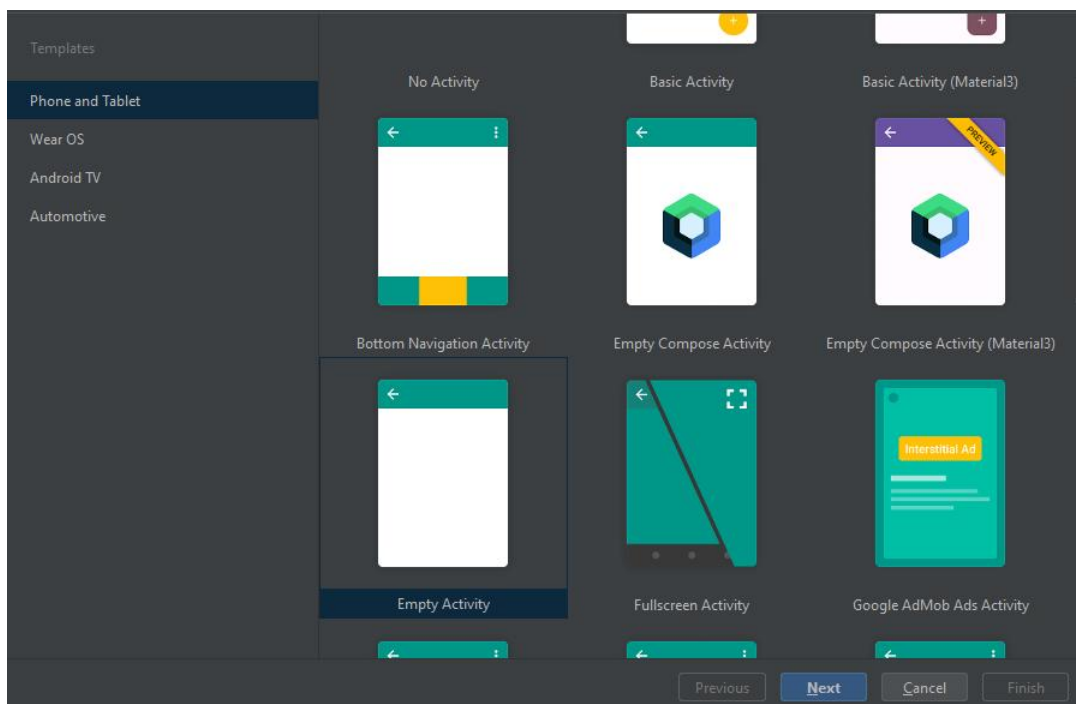
UID: 20BCS9398
Section/Group: 20BCS_DM-708B
Date of Performance: 18-03-2023
Subject Code: 20CSP-356

AIM: Design an android application to create page using Intent and one Button and pass the Values from one Activity to second Activity.

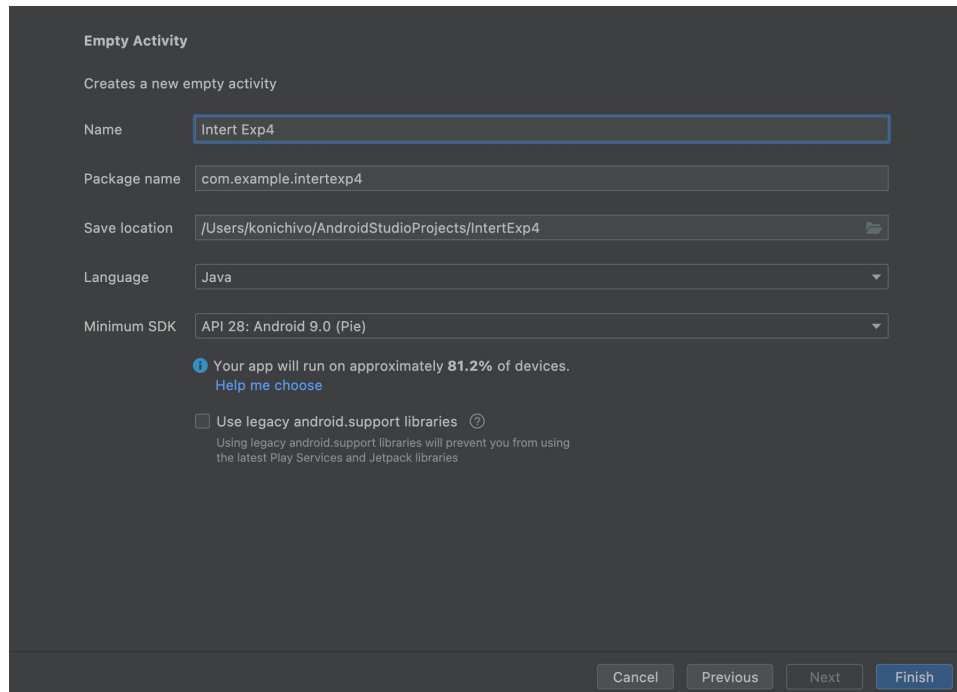
Steps:

Following are the steps to create a widget in android studio.

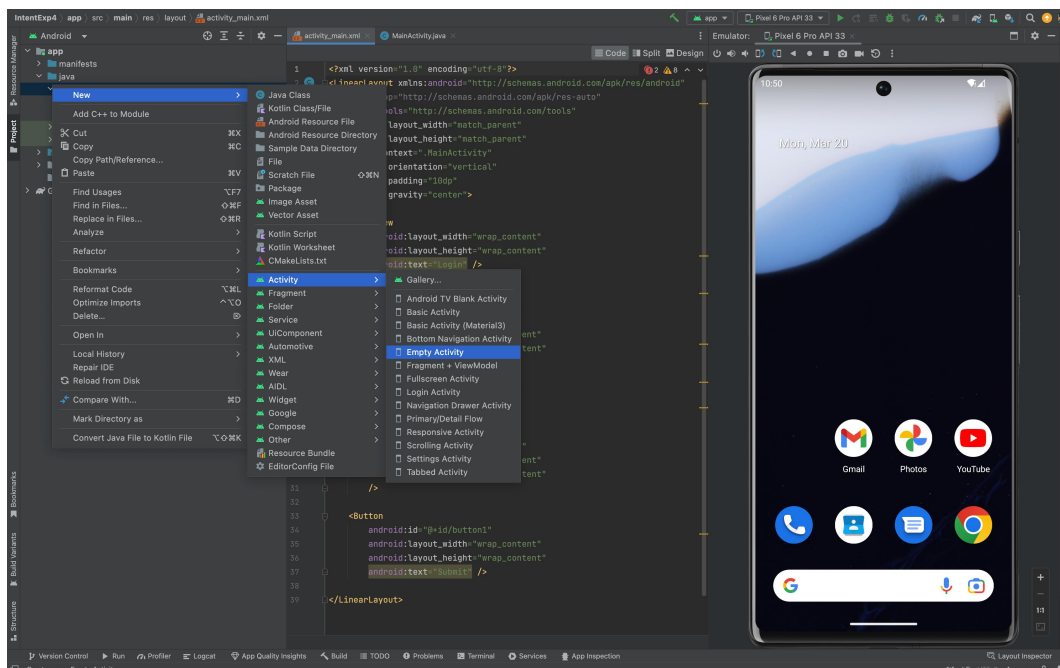
Step 1: Click on New Project and select your required customization with your requirements of your project.



Specify your project name, choose your desired language and SDK and specify its path.



Step 2: On the left panel, right click on the package folder of the specific app and go through New>>Activity>>EmptyActivity and setup your second activity as shown below.



Empty Activity

Creates a new empty activity

Activity Name

☒ Generate a Layout File

Layout Name

☐ Launcher Activity

Package name

Source Language

Step 3: Program the app and follow up the codes as given below:

Source code of activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    android:padding="10dp"
    android:gravity="center">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Login" />

    <EditText
        android:id="@+id/id"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Login Id"
        android:inputType="text" />

    <EditText
```

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```
android:id="@+id/password"  
android:hint="Enter Password"  
android:inputType="textPassword"  
android:layout_width="match_parent"  
android:layout_height="wrap_content"  
</>
```

```
<Button  
    android:id="@+id/button1"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Submit" />
```

```
</LinearLayout>
```

Source code of MainActivity.java

```
package com.example.intentexp4;  
  
import androidx.appcompat.app.ActionBar;  
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 java.util.Objects;  
  
public class MainActivity extends AppCompatActivity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
  
        ActionBar act = getSupportActionBar();  
        Objects.requireNonNull(act).setTitle("Login Page");  
  
        EditText id = findViewById(R.id.id);  
        EditText pass = findViewById(R.id.password);  
  
        Button submit = findViewById(R.id.button1);  
  
        submit.setOnClickListener(new View.OnClickListener() {  
            @Override  
            public void onClick(View view) {  
                String uid = id.getText().toString();  
                String passw = pass.getText().toString();  
  
                Intent i = new Intent(MainActivity.this, SecondActivity.class);  
                i.putExtra("Id", uid);  
                i.putExtra("Password", passw);  
                startActivity(i);  
            }  
        });  
    }  
}
```

```

    }
    });
}
}

```

Source code of activity_second.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    android:orientation="vertical"
    android:gravity="center"
    android:padding="10dp"
    tools:context=".SecondActivity">

    <TextView
        android:id="@+id/login_id"
        android:textSize="30sp"
        android:textStyle="bold"
        android:layout_width="match_parent"
        android:layout_height="wrap_content" />

</LinearLayout>

```

Source code of MainActivity.java

```

package com.example.intentexp4;

import androidx.appcompat.app.ActionBar;
import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;
import android.content.Intent;
import android.os.Bundle;
import android.widget.TextView;

import java.util.Objects;

public class SecondActivity extends AppCompatActivity {

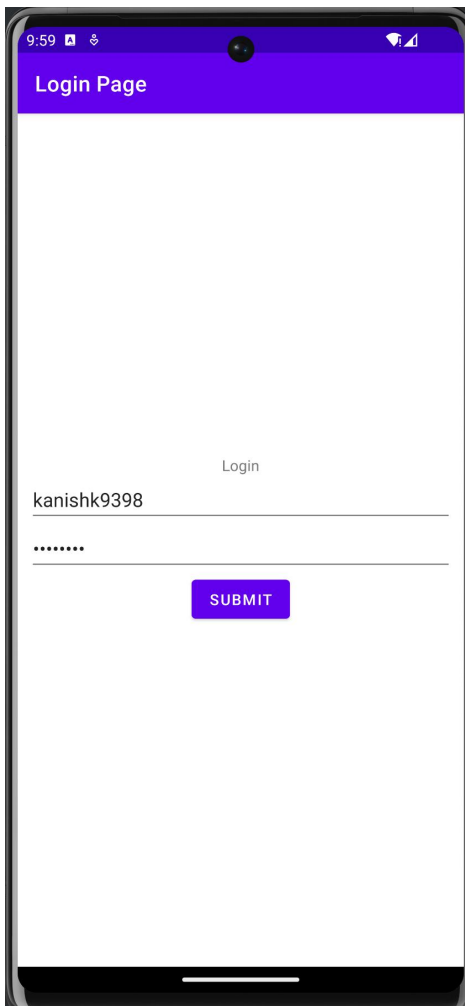
    @SuppressLint("SetTextI18n")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);

        ActionBar act = getSupportActionBar();
        Objects.requireNonNull(getSupportActionBar()).setTitle("Submit");
    }
}

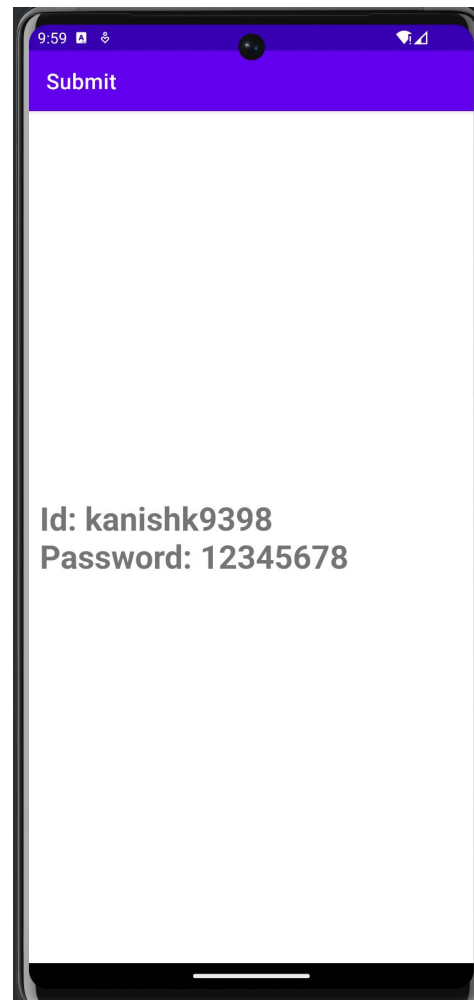
```

```
Intent intent = getIntent();  
String uid2 = intent.getStringExtra("Id");  
String pass2 = intent.getStringExtra("Password");  
  
TextView login_id = findViewById(R.id.login_id);  
  
login_id.setText("Id: "+uid2+"\nPassword: "+pass2);  
}  
}
```

App Output:



Activity1 as login page



Activity2 as submit page