***Slip1***

***Q1 Create a simple application which shows the Life cycle of android***

***MainActivity.java***

**package** com.example.actitvitylifecycle;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.util.Log;  
  
**public class** MainActivity**extends** AppCompatActivity{  
String tag=**"Events"**;  
@Override  
**protected void** onCreate(Bundle savedInstanceState) {  
**super**.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
Log.*d*(tag, **"In on create Event"**);  
 }  
**public void** onStart(){  
**super**.onStart();  
Log.*d*(tag,**"In onStart() event"**);  
 }  
  
**public void** onRestart(){  
**super**.onRestart();  
Log.*d*(tag,**"InonRestart() event"**);  
 }  
  
**public void** onResume(){  
**super**.onResume();  
Log.*d*(tag,**"InonResume() event"**);  
 }  
  
**public void** onPause(){  
**super**.onPause();  
Log.*d*(tag,**"InonPause() event"**);  
 }  
  
  
**public void** onStop(){  
**super**.onStop();  
Log.*d*(tag,**"InonStop() event"**);  
 }  
  
  
**public void** onDestroy(){  
**super**.onDestroy();  
Log.*d*(tag,**"InonDestroy() event"**);  
 }  
  
}

***Q2 Create an android application that demostrate DatePicker and DatePickerDialog***

***Xml file***

<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"

tools:context=".MainActivity">

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="500dp"

android:layout\_gravity="center"

android:text="Select Date"/>

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:textSize="24sp"

android:layout\_gravity="center"/>

</LinearLayout>

**Java file**

package com.example.slip1datepickerapplication;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.TextView;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity {

private Button button;

private TextView textView;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

button = findViewById(R.id.*button*);

textView = findViewById(R.id.*textView*);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

DatePickerDialog datePickerDialog = new DatePickerDialog(MainActivity.this,

new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int month, int dayOfMonth) {

String date = dayOfMonth + "/" + (month + 1) + "/" + year;

textView.setText(date);

}

}, Calendar.*getInstance*().get(Calendar.*YEAR*), Calendar.*getInstance*().get(Calendar.*MONTH*), Calendar.*getInstance*().get(Calendar.*DAY\_OF\_MONTH*));

datePickerDialog.show();

}

});

}

}