***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();  
 }  
 });  
  
  
  
  
  
 }  
}