Slip no – 14

1. Q1. Create a Simple Application which shows the Life Cycle of Activity.{use log}

* Note : check activity in logcat option it shows all activity method running.

MainActivity.java

*package* com.example.activitylifecycle;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.os.Bundle;  
*import* android.util.Log;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Log.*d*("Lifecycle","oncreate method started");  
 }  
  
 @Override  
 *protected void* onStart() {  
 *super*.onStart();  
 Log.*d*("Lifecycle","onstart method started");  
 }  
  
 @Override  
 *protected void* onResume() {  
 *super*.onResume();  
 Log.*d*("Lifecycle","onresume method started");  
 }  
  
 @Override  
 *protected void* onPause() {  
 *super*.onPause();  
 Log.*d*("Lifecycle","onpause method started");  
 }  
  
 @Override  
 *protected void* onStop() {  
 *super*.onStop();  
 Log.*d*("Lifecycle","onstop method started");  
 }  
  
 @Override  
 *protected void* onRestart() {  
 *super*.onRestart();  
 Log.*d*("Lifecycle","onrestart method started");  
 }  
  
 @Override  
 *protected void* onDestroy() {  
 *super*.onDestroy();  
 Log.*d*("Lifecycle","ondestroy method started");  
 }  
}

Q2. Create application to send email with attachment.

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"  
 *android:orientation*="vertical"  
 *android:padding*="10dp"  
 *tools:context*=".MainActivity">  
  
 <TextView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="To:"  
 *android:textAppearance*="@style/TextAppearance.AppCompat.Large"/>  
 <EditText  
 *android:id*="@+id/edit\_text\_to"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:inputType*="textEmailAddress"/>  
  
  
 <TextView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Subject:"  
 *android:textAppearance*="@style/TextAppearance.AppCompat.Large"/>  
 <EditText  
 *android:id*="@+id/edit\_text\_subject"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:inputType*="textEmailSubject"/>  
  
 <TextView  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Message"  
 *android:textAppearance*="@style/TextAppearance.AppCompat.Large"/>  
 <EditText  
 *android:id*="@+id/edit\_text\_message"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:lines*="10"  
 *android:gravity*="start|top"/>  
  
 <Button  
 *android:id*="@+id/button\_send"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="send"/>  
  
</LinearLayout>

MainActivity.java

*package* com.example.slipno5;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.content.Intent;  
*import* android.net.Uri;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
  
*public class* MainActivity *extends* AppCompatActivity {  
 *private* EditText mEditTextTo;  
 *private* EditText mEditTextSubject;  
  
 *private* EditText mEditTextMessage;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 mEditTextTo=findViewById(R.id.*edit\_text\_to*);  
 mEditTextSubject=findViewById(R.id.*edit\_text\_subject*);  
 mEditTextMessage=findViewById(R.id.*edit\_text\_message*);  
  
 Button buttonSend = findViewById(R.id.*button\_send*);  
  
 buttonSend.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
  
 sendMail();  
  
 }  
 });  
  
 }  
 *private void* sendMail(){  
 String recipientList=mEditTextTo.getText().toString();  
 String[] recipients =recipientList.split(",");  
 *//example@gmail.com, example2@gmail.com* String subject =mEditTextSubject.getText().toString();  
 String message =mEditTextMessage.getText().toString();  
  
 *//here now important part start here* Intent intent =*new* Intent(Intent.***ACTION\_SEND***);  
 intent.putExtra(Intent.***EXTRA\_EMAIL***,recipients);  
 intent.putExtra(Intent.***EXTRA\_SUBJECT***,subject);  
 intent.putExtra(Intent.***EXTRA\_TEXT***,message);  
 *//here email client* intent.setType("message/rfc822");  
 startActivity(Intent.*createChooser*(intent,"Choose an email client"));  
  
 *//this below part for attachment  
  
 // Uri attachmentUri = Uri.parse("file:///storage/emulated/0/Download/myfile.pdf");  
 // intent.putExtra(Intent.EXTRA\_STREAM, attachmentUri);  
  
 //startActivity(Intent.createChooser(intent, "Send email..."));* }  
}