Practical list 1

Q-1

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:app="<http://schemas.android.com/apk/res-auto>" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent"

tools:context=".pr1\_textview" android:orientation="vertical">

<TextView android:id="@+id/textView1"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="UKA Tarsadia University" android:textSize="20dp" android:layout\_marginLeft="20dp" android:layout\_marginRight="20dp" android:textColor="@color/black"/>

<TextView android:id="@+id/textViewl1" android:layout\_width="match\_parent" android:layout\_height="1dp" android:text="TextView" android:background="@color/black"/>

<TextView android:id="@+id/textView2"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

android:text="Maliba Campus , \nGopal Vidyanagar , \nBardoli-Mahuva Road ,\nTarsadia - 394 350.

\nDist:Surat \nGujarat, INDIA." android:textSize="20dp" android:layout\_marginLeft="20dp" android:layout\_marginRight="20dp" android:textColor="@color/black"/>

<TextView android:id="@+id/textViewl2" android:layout\_width="match\_parent" android:layout\_height="1dp" android:text="TextView" android:background="@color/black"/>

<TextView android:id="@+id/textView3"

android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="+91 2625 290020 \n +91 2625 290074" android:textSize="20dp" android:layout\_marginLeft="20dp" android:layout\_marginRight="20dp" android:textColor="@color/black"/>

<TextView

android:id="@+id/textViewl3" android:layout\_width="match\_parent" android:layout\_height="1dp" android:text="TextView" android:background="@color/black"/>

</LinearLayout>

Practical list 2

<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:app="<http://schemas.android.com/apk/res-auto>" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent"

tools:context=".pr2\_layout2" android:orientation="vertical" android:layout\_marginTop="200dp" android:padding="8dp">

<LinearLayout android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:orientation="horizontal" tools:context=".pr2\_layout2" >

<Button

android:id="@+id/button" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="DHONI" android:padding="15dp"/>

<Button android:id="@+id/button2" android:layout\_width="108dp"

android:layout\_height="wrap\_content" android:text="SACHIN" android:padding="15dp"/>

</LinearLayout>

<LinearLayout android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" tools:context=".pr2\_layout2" android:orientation="horizontal">

<Button android:id="@+id/button5" android:layout\_width="215dp"

android:layout\_height="wrap\_content" android:text="YUVRAJ" android:padding="15dp"/>

<Button android:id="@+id/button6"

android:layout\_width="194dp" android:layout\_height="wrap\_content" android:text="VIRAT"

/>

</LinearLayout>

<LinearLayout android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" tools:context=".pr2\_layout2" android:orientation="horizontal">

<Button android:id="@+id/button3" android:layout\_width="272dp"

android:layout\_height="wrap\_content" android:text="HARBHAJAN" android:padding="15dp"/>

<Button android:id="@+id/button4" android:layout\_width="133dp"

android:layout\_height="wrap\_content" android:text="RAHUL" />

</LinearLayout>

</LinearLayout>

<?xml version="1.0" encoding="utf-8"?>

<RelativeLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" xmlns:app="<http://schemas.android.com/apk/res-auto>"

xmlns:tools=["http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".pr2\_layout1">

<ImageView android:id="@+id/imageView4" android:layout\_width="123dp" android:layout\_height="128dp" android:layout\_alignParentEnd="true" android:layout\_alignParentBottom="true" android:layout\_marginEnd="254dp" android:layout\_marginBottom="569dp"

app:srcCompat="@android:mipmap/sym\_def\_app\_icon" />

<ImageView android:id="@+id/imageView5" android:layout\_width="123dp" android:layout\_height="130dp" android:layout\_alignParentStart="true" android:layout\_alignParentEnd="true" android:layout\_alignParentBottom="true" android:layout\_marginStart="144dp" android:layout\_marginEnd="144dp" android:layout\_marginBottom="320dp"

app:srcCompat="@android:mipmap/sym\_def\_app\_icon" />

<ImageView android:id="@+id/imageView8" android:layout\_width="120dp"

android:layout\_height="123dp" android:layout\_alignParentEnd="true" android:layout\_alignParentBottom="true" android:layout\_marginEnd="33dp" android:layout\_marginBottom="37dp" app:srcCompat="@android:mipmap/sym\_def\_app\_icon" />

</RelativeLayout>

Practical list 3

Q-2

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XML file

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<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<TextView

android:id="@+id/textView" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Calculator" android:textSize="30sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintHorizontal\_bias="0.498" app:layout\_constraintLeft\_toLeftOf="parent" app:layout\_constraintRight\_toRightOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.047" />

<EditText android:id="@+id/editText1"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName" android:text="Enter number 1" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.497" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.139" />

<EditText android:id="@+id/editText2"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10" android:inputType="textPersonName" android:text="Enter number 2" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.497" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.23" />

<Button android:id="@+id/add"

android:layout\_width="66dp" android:layout\_height="51dp" android:text="+" android:textSize="18sp" app:backgroundTint="#737171"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.078" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.346" app:rippleColor="#A89696" />

<Button

android:id="@+id/div" android:layout\_width="66dp" android:layout\_height="51dp" android:text="/" android:textSize="18sp" app:backgroundTint="#737171"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.907" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.345" app:rippleColor="#A89696" />

<Button android:id="@+id/mul"

android:layout\_width="66dp" android:layout\_height="51dp" android:text="\*" android:textSize="18sp" app:backgroundTint="#737171"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.634" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.345" app:rippleColor="#A89696" />

<Button android:id="@+id/sub"

android:layout\_width="66dp" android:layout\_height="51dp" android:text="-" android:textSize="18sp" app:backgroundTint="#737171"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.356" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.345" app:rippleColor="#A89696" />

<TextView android:id="@+id/textView2"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Answer:" android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.236" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.457" />

<TextView

android:id="@+id/answer" android:layout\_width="157dp" android:layout\_height="38dp" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.736" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.453" />

</androidx.constraintlayout.widget.ConstraintLayout>

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Java file

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package com.example.pr3\_q2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.TextView;

public class MainActivity extends AppCompatActivity {

EditText e1,e2;

TextView t1;

Button a1,sub1,m1,d1; int num1,num2;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

e1=findViewById(R.id.editText1); e2=findViewById(R.id.editText2); t1=findViewById(R.id.answer);

a1=findViewById(R.id.add); sub1=findViewById(R.id.sub); m1=findViewById(R.id.mul); d1=findViewById(R.id.div);

onclick();

}

public void onclick(){

a1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

String s1=e1.getText().toString(); String s2=e2.getText().toString();

if((s1.equals(null) && s2.equals(null)) || (s1.equals("") && s2.equals("")))

{

String result="Please enter value"; t1.setText(result);

}

else

{

num1=Integer.parseInt(e1.getText().toString()); num2=Integer.parseInt(e2.getText().toString()); int sum=num1+num2; t1.setText(Integer.toString(sum));

}

}

});

sub1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

String s1=e1.getText().toString(); String s2=e2.getText().toString();

if((s1.equals(null) && s2.equals(null)) || (s1.equals("") && s2.equals("")))

{

String result="Please enter value"; t1.setText(result);

}

else

{

num1=Integer.parseInt(e1.getText().toString()); num2=Integer.parseInt(e2.getText().toString()); int sum=num1-num2; t1.setText(Integer.toString(sum));

}

}

});

m1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

String s1=e1.getText().toString(); String s2=e2.getText().toString();

if((s1.equals(null) && s2.equals(null)) || (s1.equals("") && s2.equals("")))

{

String result="Please enter value"; t1.setText(result);

}

else

{

num1=Integer.parseInt(e1.getText().toString()); num2=Integer.parseInt(e2.getText().toString()); int sum=num1\*num2; t1.setText(Integer.toString(sum));

}

}

});

d1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

String s1=e1.getText().toString(); String s2=e2.getText().toString();

if((s1.equals(null) && s2.equals(null)) || (s1.equals("") && s2.equals("")))

{

String result="Please enter value"; t1.setText(result);

}

else

{

num1=Integer.parseInt(e1.getText().toString()); num2=Integer.parseInt(e2.getText().toString()); double sum=num1/num2; t1.setText(Double.toString(sum));

}

}

});

}

}

Q-3

XML FILE

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView android:id="@+id/textView"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Select any one Course:" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.208" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.041" />

<RadioGroup android:id="@+id/radiogroup" android:layout\_width="295dp" android:layout\_height="283dp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.301" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.169">

<RadioButton android:id="@+id/radioButton" android:layout\_width="match\_parent"

android:layout\_height="wrap\_content" android:text="MScIT" android:textSize="18sp" />

<RadioButton android:id="@+id/radioButton2" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="BCA" android:textSize="18sp" />

<RadioButton android:id="@+id/radioButton3" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="BBA" android:textSize="18sp" />

<RadioButton android:id="@+id/radioButton4" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" android:text="MBA" android:textSize="18sp" />

</RadioGroup>

<Button android:id="@+id/click"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Submit" android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.579" />

</androidx.constraintlayout.widget.ConstraintLayout>

JAVA FILE

package com.example.radiobutton;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.view.View; import android.widget.Button;

import android.widget.RadioButton; import android.widget.RadioGroup; import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

RadioGroup radiogroup;

Button click; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

click=findViewById(R.id.click); radiogroup=findViewById(R.id.radiogroup);

radio(); onclick();

}

public void radio(){

radiogroup.setOnCheckedChangeListener(new RadioGroup.OnCheckedChangeListener() { @Override

public void onCheckedChanged(RadioGroup group, int checkedId) { RadioButton radioButton=(RadioButton)group.findViewById(checkedId);

}

});

}

public void onclick(){

click.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

int selectedId=radiogroup.getCheckedRadioButtonId(); if(selectedId == -1)

{

Toast.makeText(getApplicationContext(),"No course is selected",Toast.LENGTH\_LONG).show();

}

else

{

RadioButton radiobutton=(RadioButton)radiogroup.findViewById(selectedId); Toast.makeText(getApplicationContext(),radiobutton.getText(),Toast.LENGTH\_LONG).show();

}

}

});

}

}

Q-4

XML FILE

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<TextView android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Select Option:" android:textSize="30sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintHorizontal\_bias="0.231" app:layout\_constraintLeft\_toLeftOf="parent" app:layout\_constraintRight\_toRightOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.056" />

<CheckBox android:id="@+id/checkBox"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Iphone" android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.164" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.143" />

<CheckBox android:id="@+id/checkBox2" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Android" android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.168"

app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.225" />

<CheckBox android:id="@+id/checkBox3" android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Windows" android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.177" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.307" />

<Button android:id="@+id/click"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Submit" android:textSize="30sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.498" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.457" />

</androidx.constraintlayout.widget.ConstraintLayout>

JAVA FILE

package com.example.pr\_3\_q4;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.view.View; import android.widget.Button; import android.widget.CheckBox; import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

CheckBox ch1,ch2,ch3; Button click; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

ch1=findViewById(R.id.checkBox); ch2=findViewById(R.id.checkBox2); ch3=findViewById(R.id.checkBox3); click=findViewById(R.id.click); click();

}

public void click(){

click.setOnClickListener(new View.OnClickListener() { @Override

public void onClick (View v){ String msg = "You checked:";

if (ch1.isChecked()) { msg = msg + "Iphone";

}

if (ch2.isChecked()) {

msg = msg + "Android";

}

if (ch3.isChecked()) {

msg = msg + "Windows";

}

Toast.makeText(getApplicationContext(), msg, Toast.LENGTH\_LONG).show();

}

});

}

}

Practical list 4

q-2

================ XML FILE

activity\_progressbar\_activity.xml

================

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".progressbar\_activity">

<ProgressBar android:id="@+id/progressbar"

style="?android:attr/progressBarStyleHorizontal" android:layout\_width="0dp" android:layout\_height="wrap\_content" android:max="100"

android:progress="1" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.0" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.269" />

<TextView android:id="@+id/txtview"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.045" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.396" />

</androidx.constraintlayout.widget.ConstraintLayout>

================== JAVA FILE

progressbar\_activity.java

==================

package com.example.image\_selector;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.os.Handler;

import android.widget.ProgressBar; import android.widget.TextView;

public class progressbar\_activity extends AppCompatActivity { ProgressBar progress;

TextView txtview; int status=0;

private Handler handler=new Handler();

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_progressbar\_activity); Initialization();

}

private void Initialization()

{

progress = findViewById(R.id.progressbar); txtview = findViewById(R.id.txtview);

new Thread(new Runnable() { @Override

public void run() { while(status<100)

{

status+=1;

handler.post(new Runnable() { @Override

public void run() { progress.setProgress(status);

txtview.setText(status+"/" + progress.getMax());

}

});

try {

Thread.sleep(200);

} catch (InterruptedException e) { e.printStackTrace();

}

}

}

}).start();

}

}

Output

Q-6

=============== XML FILE

activity\_main.xml

===============

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<Button android:id="@+id/next"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Next" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.767" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.713" />

<ImageSwitcher

android:id="@+id/imgbrand" android:layout\_width="match\_parent" android:layout\_height="wrap\_content" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.0" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.207" />

<Button android:id="@+id/previous"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Previous" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.141" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.713" />

</androidx.constraintlayout.widget.ConstraintLayout>

========================

Java file MainActivity.java

========================

package com.example.image\_selector;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.view.View;

import android.view.animation.Animation; import android.view.animation.AnimationUtils; import android.widget.Button;

import android.widget.ImageSwitcher; import android.widget.ImageView; import android.widget.ViewSwitcher;

public class MainActivity extends AppCompatActivity { ImageSwitcher imgbrand;

Button btnprevious,btnnext;

private int[] brand={R.drawable.b1,R.drawable.b2,R.drawable.b3,R.drawable.b4,R.drawable.b5}; int position=0;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); controlinitialization();

Btnclick();

}

private void controlinitialization()

{

imgbrand = findViewById(R.id.imgbrand); btnprevious = findViewById(R.id.previous); btnnext=findViewById(R.id.next);

imgbrand.setFactory(new ViewSwitcher.ViewFactory() { @Override

public View makeView() {

ImageView imgmyview=new ImageView(getApplicationContext());

imgmyview.setImageResource(brand[position]); return imgmyview;

}

});

}

private void Btnclick()

{

btnnext.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) { if(position < brand.length-1)

position++; else

position=0; imgbrand.setImageResource(brand[position]);

}

});

btnprevious.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) { if(position>0)

position--;

else if(position == brand.length) position=0;

imgbrand.setImageResource(brand[position]);

}

});

Animation obj = AnimationUtils.loadAnimation(getApplicationContext(), android.R.anim.fade\_in); imgbrand.setInAnimation(obj);

}

}

q-4

Activity\_main.xml

package com.example.datetime;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button btndate,btnTime,btndefault,btncustom; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

btndate=findViewById(R.id.btndate); btnTime=findViewById(R.id.btntime); btndefault=findViewById(R.id.btndefault); btncustom=findViewById(R.id.btncustom); Buttonclick();

}

private void Buttonclick()

{

btndate.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),datepickerActivity.class); startActivity(obj);

}

});

btnTime.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),TimepickerActivity.class); startActivity(obj);

}

});

btndefault.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),DefaultActivity.class); startActivity(obj);

}

});

btncustom.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),customActivity.class); startActivity(obj);

}

});

}

}

MainActivity.java

package com.example.datetime;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button btndate,btnTime,btndefault,btncustom; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

btndate=findViewById(R.id.btndate); btnTime=findViewById(R.id.btntime); btndefault=findViewById(R.id.btndefault); btncustom=findViewById(R.id.btncustom); Buttonclick();

}

private void Buttonclick()

{

btndate.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),datepickerActivity.class); startActivity(obj);

}

});

btnTime.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),TimepickerActivity.class); startActivity(obj);

}

});

btndefault.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),DefaultActivity.class); startActivity(obj);

}

});

btncustom.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent obj=new Intent(getApplicationContext(),customActivity.class);

startActivity(obj);

}

});

}

}

Date Picker xml file Activity\_datepicker.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".datepickerActivity">

<TextView android:id="@+id/txtDate" android:layout\_width="366dp" android:layout\_height="48dp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.488" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.076" />

<Button android:id="@+id/button"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="change Date" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.424" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.193" />

<DatePicker android:id="@+id/datepicker" android:layout\_width="356dp" android:layout\_height="450dp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.581" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="1.0" />

</androidx.constraintlayout.widget.ConstraintLayout>

datepickerActivity.java

package com.example.datetime;

import androidx.annotation.RequiresApi;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog; import android.icu.util.Calendar; import android.os.Build;

import android.os.Bundle; import android.view.View; import android.widget.Button;

import android.widget.DatePicker; import android.widget.TextView;

public class datepickerActivity extends AppCompatActivity { TextView txtdate;

Button change;

DatePicker datePicker;

int mYear,mMonth,mDay; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_datepicker); txtdate=findViewById(R.id.txtDate); change=findViewById(R.id.button); datePicker=findViewById(R.id.datepicker); controlInitiazliazation();

ButtonClicks();

}

private void controlInitiazliazation()

{

txtdate.setText("Current date is :" + getCurrentDate());

}

public String getCurrentDate()

{

StringBuilder builder=new StringBuilder(); builder.append(datePicker.getDayOfMonth()+"/"); builder.append((datePicker.getMonth()+ 1) +"/"); builder.append(datePicker.getYear());

return builder.toString();

}

private void ButtonClicks()

{

change.setOnClickListener(new View.OnClickListener() { @RequiresApi(api = Build.VERSION\_CODES.N) @Override

public void onClick(View v) {

//txtdate.setText("Change date is :" + getCurrentDate()); Calendar c=Calendar.getInstance(); mYear=c.get(Calendar.YEAR); mMonth=c.get(Calendar.MONTH);

mDay=c.get(Calendar.DAY\_OF\_MONTH);

DatePickerDialog dialog=new DatePickerDialog(datepickerActivity.this, new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int month, int day) { txtdate.setText("selected Date is :" +day+ "/" +(month+1) +"/" + year);

}

},mYear,mMonth,mDay); dialog.show();

}

});

}

}

Time picker

Xml file

Activity\_timpicker.xml

package com.example.datetime;

import androidx.annotation.RequiresApi;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog; import android.icu.util.Calendar; import android.os.Build;

import android.os.Bundle; import android.view.View; import android.widget.Button;

import android.widget.DatePicker; import android.widget.TextView;

public class datepickerActivity extends AppCompatActivity { TextView txtdate;

Button change;

DatePicker datePicker;

int mYear,mMonth,mDay; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_datepicker); txtdate=findViewById(R.id.txtDate); change=findViewById(R.id.button);

datePicker=findViewById(R.id.datepicker); controlInitiazliazation();

ButtonClicks();

}

private void controlInitiazliazation()

{

txtdate.setText("Current date is :" + getCurrentDate());

}

public String getCurrentDate()

{

StringBuilder builder=new StringBuilder(); builder.append(datePicker.getDayOfMonth()+"/"); builder.append((datePicker.getMonth()+ 1) +"/"); builder.append(datePicker.getYear());

return builder.toString();

}

private void ButtonClicks()

{

change.setOnClickListener(new View.OnClickListener() { @RequiresApi(api = Build.VERSION\_CODES.N) @Override

public void onClick(View v) {

//txtdate.setText("Change date is :" + getCurrentDate()); Calendar c=Calendar.getInstance();

mYear=c.get(Calendar.YEAR); mMonth=c.get(Calendar.MONTH); mDay=c.get(Calendar.DAY\_OF\_MONTH);

DatePickerDialog dialog=new DatePickerDialog(datepickerActivity.this, new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year, int month, int day) { txtdate.setText("selected Date is :" +day+ "/" +(month+1) +"/" + year);

}

},mYear,mMonth,mDay); dialog.show();

}

});

}

}

TimepickerActivity.java

package com.example.datetime;

import androidx.annotation.RequiresApi;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog; import android.app.TimePickerDialog; import android.icu.util.Calendar; import android.os.Build;

import android.os.Bundle;

import android.view.View; import android.widget.Button;

import android.widget.DatePicker; import android.widget.TextView; import android.widget.TimePicker;

public class TimepickerActivity extends AppCompatActivity { TextView txtTime;

Button change; TimePicker timePicker; int mHour,mMinutes; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_timepicker);

txtTime=findViewById(R.id.txtTime); change=findViewById(R.id.button); timePicker=findViewById(R.id.timepicker); controlInitiazliazation();

ButtonClicks();

}

private void controlInitiazliazation()

{

txtTime.setText("Current Time is :" + getCurrentTime());

}

public String getCurrentTime()

{

StringBuilder builder=new StringBuilder(); builder.append(timePicker.getCurrentHour()+":"); builder.append(timePicker.getCurrentMinute()); return builder.toString();

}

private void ButtonClicks()

{

change.setOnClickListener(new View.OnClickListener() { @RequiresApi(api = Build.VERSION\_CODES.N) @Override

public void onClick(View v) {

//txtTime.setText("change time is :" + getCurrentTime()); Calendar c=Calendar.getInstance(); mHour=c.get(Calendar.HOUR); mMinutes=c.get(Calendar.MINUTE);

TimePickerDialog dialog=new TimePickerDialog(TimepickerActivity.this, new TimePickerDialog.OnTimeSetListener() {

@Override

public void onTimeSet(TimePicker view, int hour, int minute) { String am\_pm = (hour<12)? "AM" : "PM";

txtTime.setText("selected Date is :" +hour+ ":" + minute + " "+am\_pm);

}

},mHour,mMinutes,false); dialog.show();

}

});

}

}

<LinearLayout android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:orientation="vertical" xmlns:android="<http://schemas.android.com/apk/res/android>">

<TextView android:layout\_width="wrap\_content" android:layout\_height="57dp" android:layout\_gravity="center" android:text="Success" android:textAlignment="center"

android:textAppearance="@style/TextAppearance.AppCompat.Headline" />

<TextView android:layout\_width="wrap\_content" android:layout\_height="43dp" android:layout\_gravity="center"

android:text="This is my Custome dialog demo" android:textAlignment="center" android:textAppearance="@style/TextAppearance.AppCompat.Medium" />

<Button android:layout\_width="210dp" android:text="Done"

android:layout\_height="wrap\_content" android:layout\_gravity="center"

android:layout\_marginTop="15dp" android:textAlignment="center" />

</LinearLayout>

Custom\_activity.java

package com.example.image\_view;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface; import android.os.Bundle;

import android.text.AlteredCharSequence; import android.view.LayoutInflater; import android.view.View;

import android.view.ViewGroup; import android.widget.Button;

public class Dailog\_demo extends AppCompatActivity {

Button btnDialog; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_dailog\_demo); btnDialog=findViewById(R.id.btnDialog); btnClick();

}

private void btnClick()

{

btnDialog.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

//Default dialog box

/\*AlertDialog.Builder builder=new AlertDialog.Builder(Dailog\_demo.this); builder.setMessage("Do you want to close the Application").setCancelable(false)

.setPositiveButton("Yes", new DialogInterface.OnClickListener() { @Override

public void onClick(DialogInterface dialog, int which) { finish();

}

})

.setNegativeButton("No", new DialogInterface.OnClickListener() { @Override

public void onClick(DialogInterface dialog, int which) { dialog.cancel();

}

});

AlertDialog dialog=builder.create(); dialog.setTitle("Alter Dialog Example"); dialog.show();\*/

//Custom Dilog box

AlertDialog.Builder builder=new AlertDialog.Builder(Dailog\_demo.this);

ViewGroup viewGroup=findViewById(android.R.id.content);

View dailogView= LayoutInflater.from(v.getContext()).inflate(R.layout.custome\_lyout,viewGroup,false);

builder.setView(dailogView);

AlertDialog dialog=builder.create(); dialog.show();

}

});

}

}

Image switcher

=============== XML FILE

activity\_main.xml

===============

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<Button android:id="@+id/next"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Next" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.767" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.713" />

<ImageSwitcher android:id="@+id/imgbrand" android:layout\_width="match\_parent" android:layout\_height="wrap\_content"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.0" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.207" />

<Button android:id="@+id/previous"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Previous"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.141" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.713" />

</androidx.constraintlayout.widget.ConstraintLayout>

========================

Java file MainActivity.java

========================

package com.example.image\_selector;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.view.View;

import android.view.animation.Animation; import android.view.animation.AnimationUtils; import android.widget.Button;

import android.widget.ImageSwitcher; import android.widget.ImageView; import android.widget.ViewSwitcher;

public class MainActivity extends AppCompatActivity { ImageSwitcher imgbrand;

Button btnprevious,btnnext;

private int[] brand={R.drawable.b1,R.drawable.b2,R.drawable.b3,R.drawable.b4,R.drawable.b5}; int position=0;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); controlinitialization();

Btnclick();

}

private void controlinitialization()

{

imgbrand = findViewById(R.id.imgbrand); btnprevious = findViewById(R.id.previous); btnnext=findViewById(R.id.next);

imgbrand.setFactory(new ViewSwitcher.ViewFactory() { @Override

public View makeView() {

ImageView imgmyview=new ImageView(getApplicationContext());

imgmyview.setImageResource(brand[position]); return imgmyview;

}

});

}

private void Btnclick()

{

btnnext.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) { if(position < brand.length-1)

position++; else

position=0; imgbrand.setImageResource(brand[position]);

}

});

btnprevious.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) { if(position>0)

position--;

else if(position == brand.length) position=0;

imgbrand.setImageResource(brand[position]);

}

});

Animation obj = AnimationUtils.loadAnimation(getApplicationContext(), android.R.anim.fade\_in); imgbrand.setInAnimation(obj);

}

}

PRACTICAL LIST 5

1.

Menifist file

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="<http://schemas.android.com/apk/res/android>" package="com.example.welcome">

<application android:allowBackup="true" android:icon="@mipmap/ic\_launcher" android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round" android:supportsRtl="true" android:theme="@style/Theme.Welcome">

<activity android:name=".hello">

</activity>

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

Activity1 java

package com.example.welcome;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent; import android.os.Bundle; import android.view.View; import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button click;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

click=findViewById(R.id.click); onclick();

}

public void onclick(){

click.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

Intent intent = new Intent(getApplicationContext(),hello.class); startActivity(intent);

}

});

}

}

Activity2 java

package com.example.welcome;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class hello extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_hello);

}

}

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<Button android:id="@+id/click"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Welcome" android:textSize="36sp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.478" />

</androidx.constraintlayout.widget.ConstraintLayout>

Activity2.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout

xmlns:app[="http](http://schemas.android.com/apk/res-auto):[//schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".hello">

<TextView android:id="@+id/textView"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Hello....Good Morining "

android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.108" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.061" />

<TextView android:id="@+id/textView2"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Welcome to BMIIT" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.074" app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.124" />

</androidx.constraintlayout.widget.ConstraintLayout>

Q-2

Menifist file

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="<http://schemas.android.com/apk/res/android>" package="com.example.pr\_5\_q2">

<application android:allowBackup="true" android:icon="@mipmap/ic\_launcher" android:label="@string/app\_name"

android:roundIcon="@mipmap/ic\_launcher\_round" android:supportsRtl="true" android:theme="@style/Theme.Pr\_5q2">

<activity android:name=".display"></activity>

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

Activity1.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<EditText android:id="@+id/editview"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:ems="10"

android:hint="Enter Name" android:inputType="textPersonName" android:textSize="24sp" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintHorizontal\_bias="0.497" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" app:layout\_constraintVertical\_bias="0.142" />

<Button android:id="@+id/click"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="OK" android:textSize="24sp" tools:layout\_editor\_absoluteX="153dp" tools:layout\_editor\_absoluteY="240dp" />

</androidx.constraintlayout.widget.ConstraintLayout>

Activity2.xml

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".display">

</androidx.constraintlayout.widget.ConstraintLayout>

Activity1.JAVA

package com.example.pr5\_2;

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 android.widget.Toast;

public class MainActivity extends AppCompatActivity {

Button click; EditText edittext; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); edittext=findViewById(R.id.editview); click=findViewById(R.id.click);

onclick();

}

public void onclick()

{

click.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

String name=edittext.getText().toString();

Intent obj=new Intent(getApplicationContext(),display.class); obj.putExtra("name",name);

startActivity(obj);

}

});

}

}

Activity2.java

package com.example.pr\_5\_q2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle; import android.widget.Toast;

public class display extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_display);

String name=getIntent().getStringExtra("name"); Toast.makeText(getApplicationContext(),name,Toast.LENGTH\_LONG).show();

}

}

Inbuilt menu program

XML FILE

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<Button android:id="@+id/btninbuilt"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="click here " app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

JAVAfile

package com.example.inbuilt\_application;

import androidx.appcompat.app.AppCompatActivity; import androidx.core.app.ActivityCompat;

import android.Manifest; import android.content.Intent; import android.net.Uri;

import android.os.Bundle; import android.view.View; import android.widget.Button;

public class MainActivity extends AppCompatActivity {

Button b1;

@Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main);

initialize(); buttonclicks();

}

public void initialize()

{

b1 =findViewById(R.id.btninbuilt);

//ActivityCompat.requestPermissions(this,new String[]{Manifest.permission.CALL\_PHONE},0);

}

private void buttonclicks()

{

b1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View v) {

/\*Intent objIntent=new Intent(Intent.ACTION\_VIEW); objIntent.putExtra("sms\_body","good morning...This is in-built sms demo"); objIntent.putExtra("address","9825569665"); objIntent.setType("vnd.android-dir/mms-sms"); objIntent.setData(Uri.parse("smsto:"));

startActivity(objIntent);\*/

//TO call

/\*Intent objIntent = new Intent(Intent.ACTION\_DIAL,Uri.parse("tel:9825569665"));

//startActivity(objIntent);\*/

//open im-built browser

/\*Intent objIntent=new Intent(Intent.ACTION\_VIEW,Uri.parse(["http:](http://www.google.com/)/[/www.google.com](http://www.google.com/)")); startActivity(objIntent);\*/

//open google map

/\* Intent objIntent=new Intent(Intent.ACTION\_VIEW,Uri.parse("geo:21.1591425,72.6822102")); startActivity(objIntent);\*/

//call log

/\* Intent objIntent=new Intent(Intent.ACTION\_VIEW,Uri.parse("content://call\_log/calls")); startActivity(objIntent);\*/

//view contact

/\*Intent objIntent=new Intent(Intent.ACTION\_VIEW,Uri.parse("content://contacts/people/10"));

startActivity(objIntent);\*/

//Email sending

Intent objIntent=new Intent(Intent.ACTION\_SENDTO);

// objIntent.setType("message/rdc822"); objIntent.setData((Uri.parse("mailto:"))); objIntent.putExtra(Intent.EXTRA\_EMAIL,new String[][{"1](mailto:18bmiit036@gmail.com)8b[miit036@gmail.com](mailto:18bmiit036@gmail.com)"}); objIntent.putExtra(Intent.EXTRA\_SUBJECT,"Android Email In-built intent demo"); objIntent.putExtra(Intent.EXTRA\_TEXT,"Hello Everyone. !!");

startActivity(objIntent);

}

});

}

}

Menifist file

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="<http://schemas.android.com/apk/res/android>" package="com.example.inbuilt\_application">

<uses-permission android:name="android.permission.CALL\_PHONE"/>

<application android:allowBackup="true" android:icon="@mipmap/ic\_launcher"

android:label="@string/app\_name" android:roundIcon="@mipmap/ic\_launcher\_round" android:supportsRtl="true" android:theme="@style/Theme.Inbuilt\_application">

<activity android:name=".MainActivity">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

</application>

</manifest>

activity\_main.xml file

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"

xmlns:app=["http://schemas.android.com/apk/res-auto](http://schemas.android.com/apk/res-auto)" xmlns:tools="[http://schemas.android.com/tools"](http://schemas.android.com/tools) android:layout\_width="match\_parent" android:layout\_height="match\_parent" tools:context=".MainActivity">

<ImageView android:id="@+id/imageView" android:layout\_width="379dp" android:layout\_height="303dp"

app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintEnd\_toEndOf="parent" app:layout\_constraintStart\_toStartOf="parent" app:layout\_constraintTop\_toTopOf="parent" />

<Button android:id="@+id/button"

android:layout\_width="wrap\_content" android:layout\_height="wrap\_content" android:text="Button" app:layout\_constraintBottom\_toBottomOf="parent" app:layout\_constraintStart\_toStartOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

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zoom.xml

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<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)">

<scale xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromXScale="0.5"

android:toXScale="3.0" android:fromYScale="0.5" android:toYScale="3.0" android:duration="5000" android:pivotX="50%" android:pivotY="50%"/>

<scale xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromXScale="3.0"

android:toXScale="0.5" android:fromYScale="3.0" android:toYScale="0.5" android:duration="5000" android:pivotX="50%" android:pivotY="50%" android:startOffset="5000"/>

</set>

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rotate.xml

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<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)">

<rotate xmlns:android="<http://schemas.android.com/apk/res/android>"

android:fromDegrees="0" android:toDegrees="360" android:pivotX="50%" android:pivotY="50%" android:duration="5000"/>

<rotate xmlns:android="<http://schemas.android.com/apk/res/android>"

android:fromDegrees="360" android:toDegrees="0" android:pivotX="50%" android:pivotY="50%" android:duration="5000" android:startOffset="5000"/>

</set>

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fade.xml

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<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)">

<alpha xmlns:android=["htt](http://schemas.android.com/apk/res/android)p[://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromAlpha="0"

android:toAlpha="1" android:duration="2000"/>

<alpha xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromAlpha="1"

android:toAlpha="0" android:duration="2000" android:startOffset="2000"/>

</set>

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translate.xml

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<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)">

<translate xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromXDelta="0%"

android:toXDelta="75%" android:duration="800"/>

<translate xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromYDelta="75%"

android:toYDelta="0%" android:duration="800" android:startOffset="800"/>

</set>

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blink.xml

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<?xml version="1.0" encoding="utf-8"?>

<set xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)">

<alpha xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)" android:fromAlpha="0"

android:toAlpha="1" android:duration="600" android:repeatMode="reverse" android:repeatCount="10"/>

</set>

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frame\_anim\_list.xml

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<?xml version="1.0" encoding="utf-8"?>

<animation-list xmlns:android=["http://schemas.android.com/apk/res/android](http://schemas.android.com/apk/res/android)"> android:onshot="false">

<item android:drawable="@drawable/t1" android:duration="300"></item>

<item android:drawable="@drawable/t2" android:duration="300"></item>

<item android:drawable="@drawable/t3" android:duration="300"></item>

</animation-list>