Name :- Bhimani Abhi Hareshkumar

Subject :- Mad

Class :- Sy.bca

Division :- C

Roll no. :- 202329507

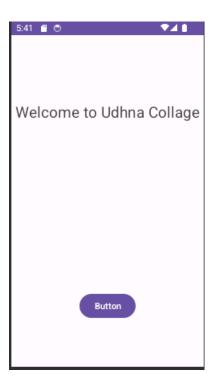
Q=1. Create an android virtual device for pixel 5 device.



Q=2. Create an android project with an empty activity using liner Layout and display massage "Welcome to Udhna Collage".

```
version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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">
    <TextView
      android:id="@+id/textView2"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="Welcome to Udhna Collage"
      android:textSize="25dp" />
    <Button
      android:id="@+id/button2"
      android:layout width="wrap content"
      android:layout_height="wrap_content"
      android:text="Button" />
```

</androidx.constraintlayout.widget.ConstraintLayout>



Q=3. Create an Android project with empty activity and design a Patient Registration view.

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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:background="@drawable/p2"
    android:layout_height="match_parent">
```

android:id="@+id/textView"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Patient Registration Form"
android:textSize="27dp"/>

<Button

android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Button"/>

<TextView

android:id="@+id/textView7"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Name"
android:textSize="20dp"
android:textStyle="bold" />

```
<EditText
  android:id="@+id/editTextText4"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:ems="8"
  android:inputType="text"/>
<TextView
 android:id="@+id/textView8"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:text="Address"
  android:textSize="20dp"
  android:textStyle="bold" />
<EditText
 android:id="@+id/editTextText5"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:layout marginEnd="44dp"
  android:ems="8"/>
<TextView
  android:id="@+id/textView9"
  android:layout width="wrap content"
```

```
android:layout height="wrap content"
  android:text="Date"
  android:textSize="20dp"
  android:textStyle="bold" />
<EditText
  android:id="@+id/editTextText6"
  android:layout width="wrap content"
 android:layout height="wrap content"
  android:layout marginEnd="40dp"
  android:ems="8"
 android:inputType="text"/>
<TextView
  android:id="@+id/textView10"
 android:layout width="wrap content"
 android:layout height="wrap content"
  android:text="Mobile no"
 android:textSize="20dp"
  android:textStyle="bold" />
<EditText
  android:id="@+id/editTextText7"
  android:layout width="wrap content"
```

android:layout_height="wrap_content"

android:layout_marginEnd="44dp"

android:ems="8"

android:inputType="text"/>

</androidx.constraintlayout.widget.ConstraintLayout>



Q=4. Create an android project with an empty using Relative layout And design student login page.

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

<RelativeLayout

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:background="@drawable/av"
tools:context=".MainActivity">
```

```
android:id="@+id/textView"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Student Login Page"
android:textSize="25dp" />
```

<ImageView</pre>

```
android:id="@+id/imageView3"
android:layout_width="160dp"
android:layout_height="130dp"
android:layout_marginLeft="80dp" />
```

<TextView

```
android:id="@+id/textView2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```
android:text="Username"
  android:textSize="20dp" />
<EditText
  android:id="@+id/editTextText"
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:ems="6"
  android:inputType="text"
  android:text="abhibhimani"
  android:textSize="20dp" />
<TextView
  android:id="@+id/textView3"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:text="Password"
  android:textSize="20dp" />
<EditText
  android:id="@+id/editTextNumberPassword"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:ems="6"
```

android:inputType=""/>

<Button

android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Login" />

</RelativeLayout>



Q=5. Create an project with an empty activity using table layout and Design student mark entry view.

```
<TableLayout
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">
  <TableLayout
    android:layout width="match parent"
    android:layout height="match parent">
    <TextView
      android:layout width="100dp"
      android:layout height="55dp"
      android:text="Name :- Bhimani Abhi "
      android:textSize="100px">
    </TextView>
    <TextView
      android:layout width="100dp"
```

```
android:layout height="55dp"
  android:text="Roll no :- 202329507"
  android:textSize="100px">
</TextView>
<TextView
  android:layout width="100dp"
  android:layout_height="55dp"
  android:text="Class :- Sy.Bca"
  android:textSize="100px">
</TextView>
<TableRow
  android:layout width="match parent"
  android:layout height="wrap content">
  <TextView
    android:id="@+id/ab1"
    android:layout width="100dp"
    android:layout height="70dp"
    android:text="Students marks"
    android:textSize="30dp">
  </TextView>
```

</TableRow>

```
<TableRow
  android:layout width="match parent"
  android:layout_height="wrap_content">
  <TextView
    android:id="@+id/ab2"
    android:layout_width="100dp"
    android:layout height="70dp"
    android:text="Subject"
    android:textSize="30dp">
  </TextView>
  <TextView
    android:id="@+id/ab3"
    android:layout width="100dp"
    android:layout_height="70dp"
    android:text="Marks"
    android:textSize="30dp">
  </TextView>
</TableRow>
```

```
<TableRow
  android:layout_width="match_parent"
  android:layout_height="wrap_content">
  <TextView
    android:id="@+id/ab4"
    android:layout width="100dp"
    android:layout_height="70dp"
    android:text="Mad"
    android:textSize="30dp">
  </TextView>
  <TextView
    android:id="@+id/ab5"
    android:layout width="100dp"
    android:layout height="match parent"
    android:text="85"
    android:textSize="30dp">
  </TextView>
</TableRow>
<TableRow
  android:layout_width="match_parent"
```

```
<TextView
    android:id="@+id/ab6"
    android:layout_width="100dp"
    android:layout_height="70dp"
    android:text="oops"
    android:textSize="30dp">
  </TextView>
  <TextView
    android:id="@+id/ab7"
    android:layout width="100dp"
    android:layout_height="70dp"
    android:text="70"
    android:textSize="30dp">
  </TextView>
</TableRow>
<TableRow
  android:layout width="match parent"
  android:layout height="wrap content">
```

android:layout_height="wrap_content">

```
<TextView
    android:id="@+id/ab8"
    android:layout_width="100dp"
    android:layout height="70dp"
    android:text="Dhup"
    android:textSize="30dp">
  </TextView>
  <TextView
    android:id="@+id/ab9"
    android:layout_width="100dp"
    android:layout_height="70dp"
    android:text="75"
    android:textSize="30dp">
  </TextView>
</TableRow>
<TableRow
  android:layout width="match parent"
  android:layout height="wrap content">
  <TextView
```

```
android:id="@+id/ab10"
    android:layout width="100dp"
    android:layout height="70dp"
    android:text="stat"
    android:textSize="30dp">
  </TextView>
  <TextView
    android:id="@+id/ab11"
    android:layout width="100dp"
    android:layout_height="70dp"
    android:text="90"
    android:textSize="30dp">
  </TextView>
</TableRow>
<TableRow
  android:layout width="match parent"
  android:layout_height="wrap_content">
  <TextView
    android:id="@+id/ab12"
    android:layout_width="100dp"
```

```
android:layout height="70dp"
    android:text="Se"
    android:textSize="30dp">
  </TextView>
  <TextView
    android:id="@+id/ab13"
    android:layout_width="100dp"
    android:layout_height="70dp"
    android:text="75"
    android:textSize="30dp">
  </TextView>
</TableRow>
<TableRow
  android:layout_width="match_parent"
  android:layout height="wrap content">
  <TextView
    android:id="@+id/ab14"
    android:layout width="100dp"
    android:layout_height="70dp"
```

```
android:text="Total"
      android:textSize="30dp">
    </TextView>
    <TextView
      android:id="@+id/ab15"
      android:layout width="100dp"
      android:layout_height="70dp"
      android:text="395"
      android:textSize="30dp">
    </TextView>
  </TableRow>
  <Button
    android:id="@+id/ab16"
    android:layout_width="100dp"
    android:layout height="50dp"
    android:text="Button">
  </Button>
</TableLayout>
```

</TableLayout>



Q=6. Create an android project with using empty activity and design Bank transaction entry view (A/c no, Date, Name, Debit, Credit, Balance).

<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout
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"</pre>

```
android:layout_height="match_parent"
android:background="@drawable/bank"
tools:context=".MainActivity">
```

```
android:id="@+id/textView"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:background="@color/white"

android:text="Bank Transaction"

android:textSize="25dp" />
```

<ImageView</pre>

android:id="@+id/imageView"
android:layout_width="332dp"
android:layout_height="143dp"
app:srcCompat="@drawable/img" />

<TextView

android:id="@+id/textView2"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="28dp"

```
android:text="A/c No"
android:textSize="19dp" />
```

<EditText

```
android:id="@+id/editTextText"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="76dp"
android:text="122423xxxx"
android:textSize="17dp"/>
```

<TextView

```
android:id="@+id/textView3"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginTop="28dp"

android:text="Name"

android:textSize="19dp" />
```

<EditText

```
android:id="@+id/editTextText2"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginEnd="68dp"
```

```
android:text="Abhi Bhimani" />
```

```
<TextView
  android:id="@+id/textView4"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:text="Date"
  android:textSize="19dp" />
<EditText
  android:id="@+id/editTextNumberSigned"
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:layout_marginEnd="68dp"
  android:text="24/08/2005" />
<TextView
  android:id="@+id/textView5"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="Debit"
  android:textSize="19dp" />
```

<EditText

```
android:id="@+id/editTextNumber"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="68dp"
android:text="10000" />
```

```
android:id="@+id/textView6"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:text="Credit"

android:textSize="19dp" />
```

<EditText

```
android:id="@+id/editTextNumber2"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="68dp"
android:text="1000" />
```

<TextView

```
android:id="@+id/textView7"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
```

```
android:text="Balance"
    android:textSize="19dp" />
  <EditText
    android:id="@+id/editTextNumber3"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:layout_marginEnd="68dp"
    android:text="9000" />
  <Button
    android:id="@+id/button"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:text="Button" />
</androidx.constraintlayout.widget.ConstraintLayout>
```



Q=7. Create an android project with an empty activity using Liner Layout and design library books entry view (book title, Author Names, Publication, date, Price).

```
<?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:background="#FFC107"</pre>
```

tools:context=".MainActivity">

```
<TextView
  android:id="@+id/textView2"
  android:layout width="match parent"
  android:layout_height="wrap_content"
  android:layout_margin="10dp"
  android:background="#00BCD4"
  android:gravity="center"
  android:text="Library books"
  android:textColor="@color/black"
  android:textSize="40dp">
</TextView>
<EditText
  android:id="@+id/editTextText3"
  android:layout width="wrap content"
  android:layout_height="60dp"
  android:ems="10"
  android:inputType="text"
  android:text=" Author Name"
  android:textSize="32dp" />
```

```
<EditText
  android:id="@+id/editTextText4"
  android:layout width="wrap content"
  android:layout_height="60dp"
  android:ems="10"
  android:inputType="text"
  android:text=" Publication"
  android:textSize="32dp" />
<EditText
  android:id="@+id/editTextText5"
  android:layout_width="wrap_content"
  android:layout height="60dp"
  android:ems="10"
  android:inputType="text"
  android:text=" Date"
  android:textSize="32dp" />
<EditText
  android:id="@+id/editTextText6"
  android:layout width="wrap content"
  android:layout height="60dp"
  android:ems="10"
```

```
android:inputType="text"
android:text=" Price"
android:textSize="32dp" />
```

<Button

android:id="@+id/button"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginTop="4dp"
android:text="Submit" />

</LinearLayout>



Q=8. Create an android project with empty and design student

Registration view and handle button click event and display

Massage "Registration Successfully".

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:background="#8BC34A"
  tools:context=".MainActivity">
  <TextView
    android:id="@+id/textView3"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:text="STUDENT REGISTRATION"
    android:textSize="30dp"
    android:textStyle="italic|bold"
    android:background="#CDDC39"
    android:textColor="@color/black"/>
```

```
<TextView
```

```
android:id="@+id/textView4"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:text="Name"
android:textSize="30dp"
android:background="@color/white"
android:textColor="@color/black"/>
```

```
android:id="@+id/textView"
android:layout_width="184dp"
android:layout_height="44dp"
android:text="Abhi"
android:textAlignment="center"
android:textSize="25sp"
android:background="@color/white"
android:textColor="@color/black"/>
```

<TextView

```
android:id="@+id/textView5"
android:layout_width="wrap_content"
android:layout_height="wrap_content"
android:layout_marginEnd="44dp"
```

```
android:text="Roll no"
    android:textSize="30dp"
    android:background="@color/white"
    android:textColor="@color/black"/>
  <TextView
    android:id="@+id/textView2"
    android:layout width="172dp"
    android:layout height="44dp"
    android:text="202329507"
    android:textAlignment="center"
    android:textSize="25sp"
    android:textColor="@color/black"
    android:background="@color/white"/>
  <Button
    android:id="@+id/button1"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:text="Button" />
</androidx.constraintlayout.widget.ConstraintLayout>
```

```
package com.example.student;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
import com.example.student.R;
public class MainActivity extends AppCompatActivity {
  Button button1;
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    button1 = findViewById(R.id.button1);
    button1.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View view) {
```

```
Toast.makeText(MainActivity.this, "Registration success",
Toast.LENGTH_SHORT).show();
}
});
}
```



}

Q=9. Create an android project with empty activity in which take two Redio button and get text from that which is selected by user And display text using toast.

```
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
xmlns:android="http://schemas.android.com/apk/res/android"</pre>
```

```
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">
<RadioGroup
  android:layout width="wrap content"
  android:layout height="wrap content"
  android:layout centerInParent="true">
  < Radio Button
    android:id="@+id/radio one"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:text="one"
    android:onClick="checkButton"
    android:textSize="25dp"
    android:checked="true" />
  < Radio Button
    android:id="@+id/radio two"
    android:layout width="wrap content"
    android:layout height="wrap content"
```

```
android:onClick="checkButton"
    android:textSize="25dp"
    android:checked="true" />
  < Radio Button
    android:id="@+id/radio three"
    android:layout_width="wrap_content"
    android:layout height="wrap content"
    android:text="three"
    android:onClick="checkButton"
    android:textSize="25dp"
    android:checked="true" />
</RadioGroup>
<TextView
  android:id="@+id/text view selected"
  android:layout width="wrap content"
  android:layout_height="wrap_content"
  android:text="Your selection: "
  android:textSize="30dp"
  android:layout centerHorizontal="true"
  android:layout marginTop="470dp"/>
```

android:text="two"

```
android:id="@+id/button apply"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="APPLY"
    android:layout centerHorizontal="true"
    android:layout marginTop="550dp"/>
</RelativeLayout>
package com.example.one;
import androidx.appcompat.app.AppCompatActivity;
import android.annotation.SuppressLint;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.RadioButton;
import android.widget.RadioGroup;
import android.widget.TextView;
import android.widget.Toast;
```

<Button

```
public class MainActivity extends AppCompatActivity {
  RadioGroup radioGroup;
  RadioButton radioButton;
  TextView textView;
  @SuppressLint("MissingInflatedId")
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    radioGroup = findViewById(R.id.radioGroup);
    textView = findViewById(R.id.text view selected);
    Button buttonAPPLY = findViewById(R.id.button apply);
    buttonAPPLY.setOnClickListener(new View.OnClickListener() {
      @Override
      public void onClick(View v) {
        int radioId = radioGroup.getCheckedRadioButtonId();
        radioButton = findViewById(radioId);
```

```
textView.setText("Your Choice: "+ radioButton.getText());
      }
    });
  }
  public void checkButton(View v) {
    int radioId = radioGroup.getCheckedRadioButtonId();
    radioButton = findViewById(radioId);
    Toast.makeText(this, "Selected Redio Button: " +
radioButton.getText(), Toast.LENGTH_SHORT).show();
  }
        Oone
        Otwo
        three
     Your selection:
```