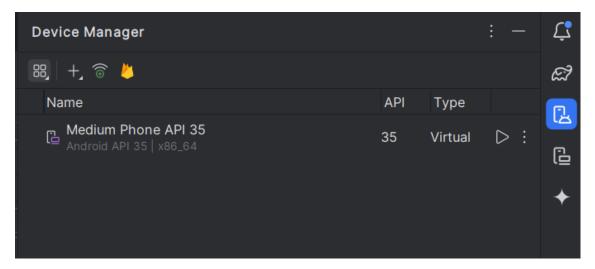
Create an Android Virtual Device for Pixel 5 device.

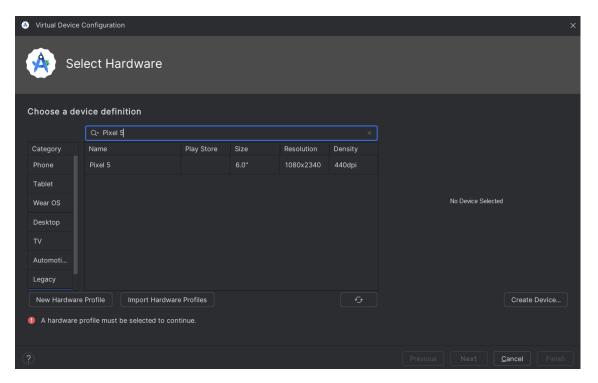
Answer

• Steps:

Go to Device Manager (Tools -> Device Manager)

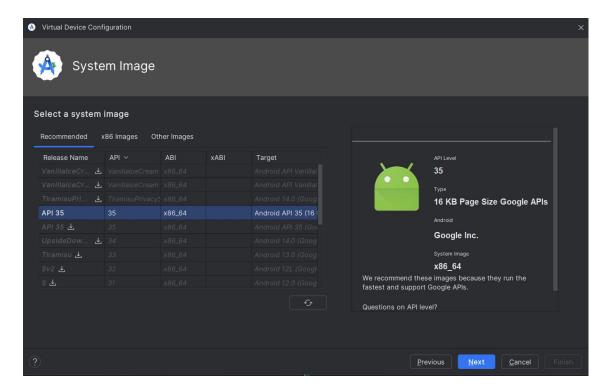


Click + Icon -> Create Virtual Device

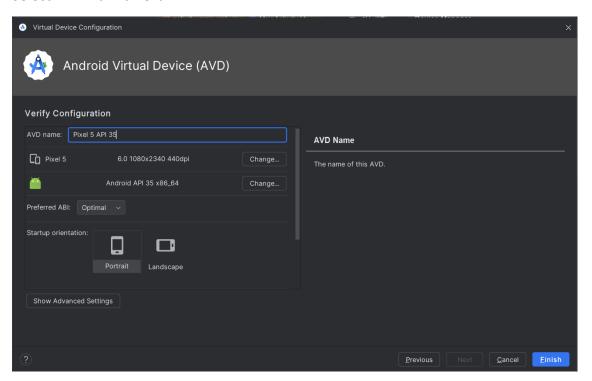


Search Pixel 5 And Select That And Hit Next

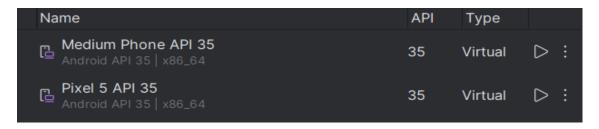




Select API And Hit Next

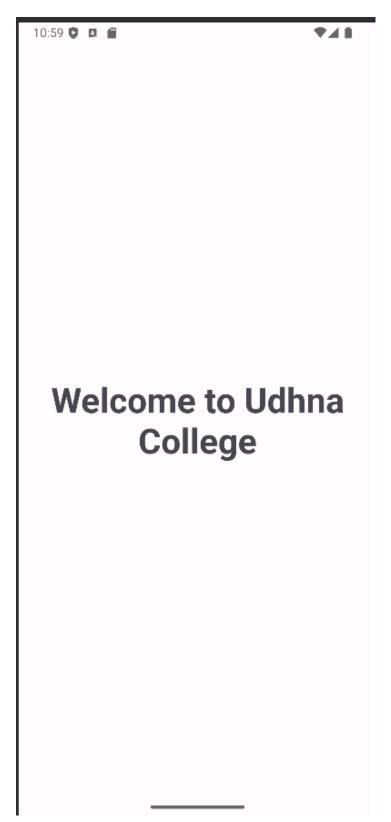


Give AVD Name And Other Configuration And Hit Finish



Create an Android project with an empty activity using Linear Layout and display message "Welcome to Udhna College".

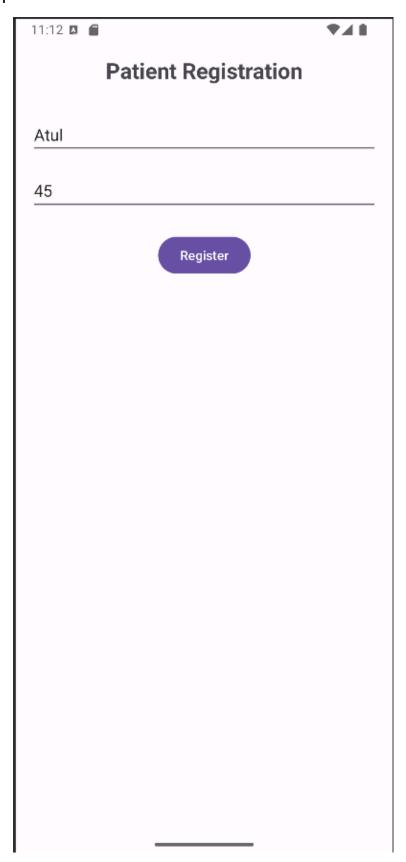
Answer



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

Answer

```
<?xml version="1.0" encoding="utf-8"?>
🌊 <🌳droidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"
       android:layout_width="match_parent"
          android:id="@+id/Heading"
            android:text="Patient Registration"
           android:id="@+id/edtPatientName"
            app:layout_constraintEnd_toEndOf="parent
            android:layout_margin="16dp"/>
           android:id="@+id/edtPatientAge
           android:lavout_height="wrap_content"
           android:hint="Patient Age"
           app:layout_constraintStart_toStartOf="parent"
           app:layout_constraintEnd_toEndOf="parent"
           android:layout_margin="16dp"/>
           app:layout_constraintTop_toBottomOf="@id/edtPatientAge"
           android:layout_marginTop="24dp"/>
    </androidx.constraintlayout.widget.ConstraintLayout>
```



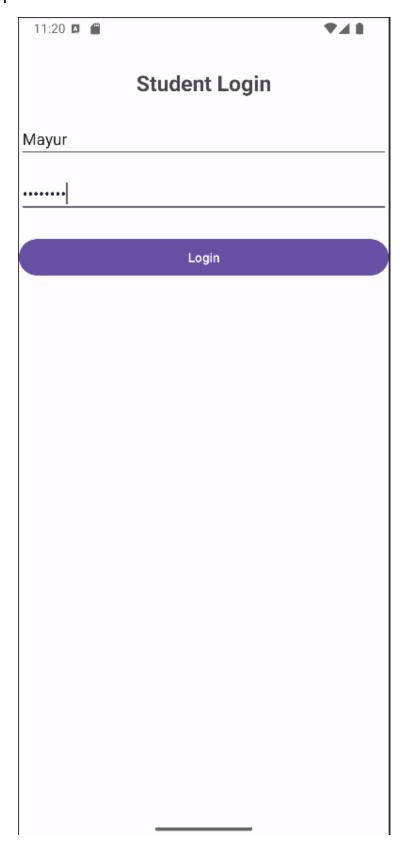
Create an Android project with empty activity using relative layout and design a Student Login Page.

Answer

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

② 2 4 11 4 1 ^ 

   android:layout_width="match_parent"
       android:layout_marginTop="32dp"/>
       android:layout_marginTop="24dp"/>
     android:layout_height="wrap_content"
       android:layout_marginTop="16dp"/>
       android:layout_height="wrap_content"
       android:layout_marginTop="24dp"/>
```



Create an Android project with an empty activity using table layout and Design a Student Mark Entry view. (At least 5 subjects)

Answer

Code Preview :

```
<?xml version="1.0" encoding="utf-8"?>
      android:layout_height="wrap_content"
     android:text="Student Mark Entry"
      android:textStyle="bold"
       android:layout_marginBottom="24dp"/>
   <TableRow>
      <TextView
           android:layout_width="wrap_content"
          android:layout_height="wrap_content"
          android:text="Subject"
           android:layout_width="wrap_content"
           android:layout_height="wrap_content'
           android:text="Marks"
           android:textStyle="bold"
          android:padding="8dp"/>
   <TableRow>
           android:text="Stats"
           android:hint="Enter marks"
```

```
<TextView
       android:layout_height="wrap_content"
        android:layout_width="wrap_content"
        android:hint="Enter marks"
   <TextView
        android:layout_height="wrap_content"
        android:text="DBHUP
       android:layout_width="wrap_content"
<TableRow>
        android:text="MAD"
        android:padding="8dp"/>
       android:padding="8dp"/>
        android:layout_width="wrap_content"
        android:hint="Enter marks"
</TableRow>
```

```
105
106
107
4Button
108
android:id="@+id/btnSubmit"
android:layout_width="wrap_content"
110
android:text="Submit"
111
android:layout_gravity="center"
113
android:padding="16dp"/>

</TableRow>

115
116
</TableLayout>
```

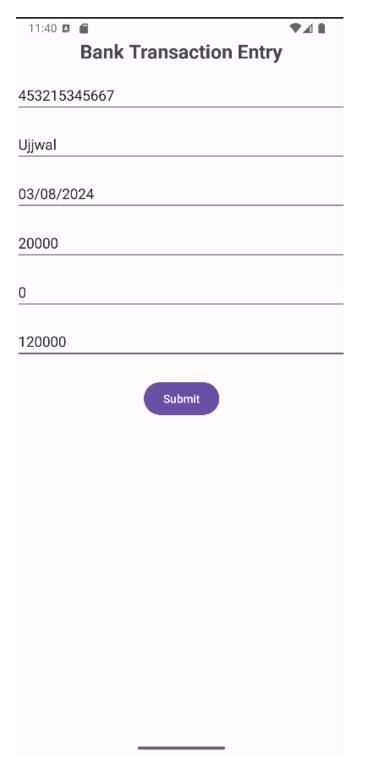


Create an Android project with empty activity using and design a Bank transaction Entry view (A/C No, Name, Date, Debit, Credit, Balance)

Answer

```
<?xml version="1.0" encoding="utf-8"?>
   android:id="@+id/main"
   android:layout_height="match_parent"
       android:layout_width="wrap_content"
      android:text="Bank Transaction Entry"
       app:layout_constraintEnd_toEndOf="parent"
      android:layout_marginBottom="24dp"/>
      android:layout_width="0dp'
       android:hint="Enter A/C No"
       android:layout_marginTop="16dp"/>
     <<u>EditText</u>
         android:id="@+id/etName"
         android:layout_width="0dp"
         android:layout_height="wrap_content"
         android:hint="Enter Name"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        android:layout_marginTop="16dp"/>
    <EditText
         android:layout_width="0dp"
         android:hint="Enter Date"
         app:layout_constraintStart_toStartOf="parent"
         android:layout_marginTop="16dp"/>
```

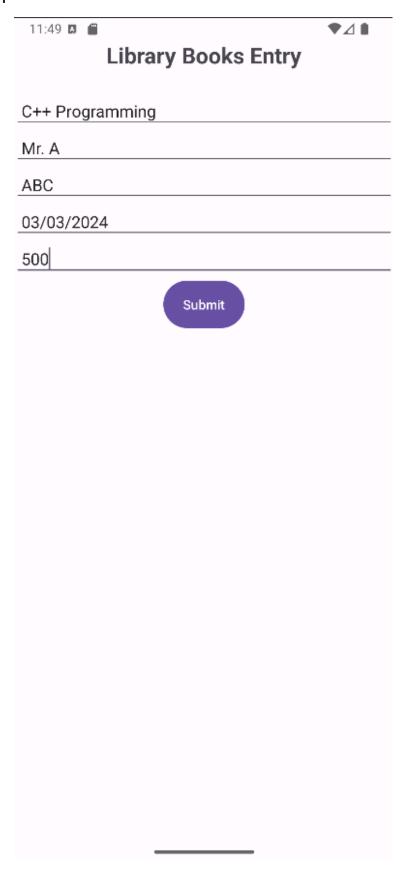
```
android:layout_width="0dp"
      android:layout_height="wrap_content"
      android:hint="Enter Debit Amount"
      android:layout_marginTop="16dp"/>
      android:layout_height="wrap_content"
      android:hint="Enter Credit Amount"
      app:layout_constraintTop_toBottomOf="@id/etDebit"
       app:layout_constraintEnd_toEndOf="parent"
       android:layout_marginTop="16dp"/>
       android:layout_width="0dp"
       android:layout_height="wrap_content"
       app:layout_constraintStart_toStartOf="parent"
      android:layout_width="wrap_content"
      android:text="Submit"
       app:layout_constraintEnd_toEndOf="parent"
       android:layout_marginTop="24dp"/>
< and roidx.constraint layout.widget.Constraint Layout>
```



Create an Android project with empty activity using linear layout and design a Library Books Entry view (Book Title, Authors Name, Publication, Date, Price)

Answer

```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"</pre>
   android:layout_width="match_parent"
   android:layout_height="match_parent"
   <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Library Books Entry"
        android:textStyle="bold"
       android:layout_gravity="center"
       android:layout_marginBottom="24dp"/>
        android:layout_width="match_parent"
        android:padding="8dp"/>
        android:id="@+id/etAuthorName"
        android:layout_width="match_parent"
        android:hint="Enter Author's Name"
        android:padding="8dp"/>
        android:layout_height="wrap_content"
        android:hint="Enter Publication"
    <<u>EditText</u>
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Date"
```



Create an Android project with empty activity and design Student Registration View and handle button click event and display message "Registration Successfully".

Answer

Code Preview : (XML)

```
android:layout_width="match_parent"
   android:orientation="vertical"
       android:layout_height="wrap_content"
       android:hint="Enter Name"
      android:id="@+id/etEmail"
      android:layout_width="match_parent"
      android:layout_height="wrap_content"
      android:hint="Enter Email"
      android:padding="8dp"/>
       android:layout_width="match_parent"
      android:layout_height="wrap_content'
      android:hint="Enter Phone Number"
       android:inputType="phone"
   <Button
       android:id="@+id/btnRegister"
       android:layout_width="wrap_content"
       android:layout_height="wrap_content'
       android:text="Register
</LinearLayout>
```

(Java File)

```
package com.example.q7;
        import android.os.Bundle;
        import android.widget.EditText;
        import android.widget.Toast;
        import androidx.appcompat.app.AppCompatActivity;
10 ▷ ♦ public class MainActivity extends AppCompatActivity {
                btnRegister = findViewById(R.id.btnRegister);
                    public void onClick(View v) {
                        String name = etName.getText().toString();
                         String phone = etPhone.getText().toString();
                  Toast.makeText( context: MainActivity.this, text: "Registration Successfully", Toast.LENGTH_SHORT).show(
```

• Ouptut:



Create an Android project with empty activity in which take two radio button and get text from that which is selected by user and display text using toast.

Answer

• Code Preview: (XML)

```
android:orientation="vertical"

   tools:context=".MainActivity">
  <RadioGroup
      android:layout_width="match_parent"
      android:layout_height="wrap_content">
      <RadioButton
          android:layout_width="wrap_content"
          android:layout_height="wrap_content"
          android:text="Option 1"/>
      <RadioButton
          android:id="@+id/radioButton2"
           android:layout_width="wrap_content"
          android:layout_height="wrap_content"
           android:text="Option 2"/>
  </RadioGroup>
      android:layout_width="wrap_content
      android:layout_height="wrap_content"
      android:text="Result"
       android:layout_gravity="center"
       android:layout_marginTop="24dp"/>
```

(Java File)

```
package com.example.q9;

import ...

public class MainActivity extends AppCompatActivity {

private RadioGroup radioGroup; 2 usages

private Button btnShowToast; 2 usages

gOverride

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.leyout.activity_main);

radioGroup = findViewById(R.id.radioGroup);

btnShowToast = findViewById(R.id.btnShowToast);

btnShowToast.setOnClickListener(new View.OnClickListener() {

gOverride

public void onClick(View v) {

int selectedId = radioGroup.getCheckedRadioButtonId();

RadioButton selectedRadioButton = findViewById(selectedId);

if (selectedRadioButton != null) {

String selectedText = selectedRadioButton.getText().toString();

Toast.makeText( context MainActivity.this, selectedText, Toast.LENGTH_SHORT).show();
} else {

Toast.makeText( context MainActivity.this, text "No option selected", Toast.LENGTH_SHORT).show();
}
}
}
}
}
}
}
}
```

