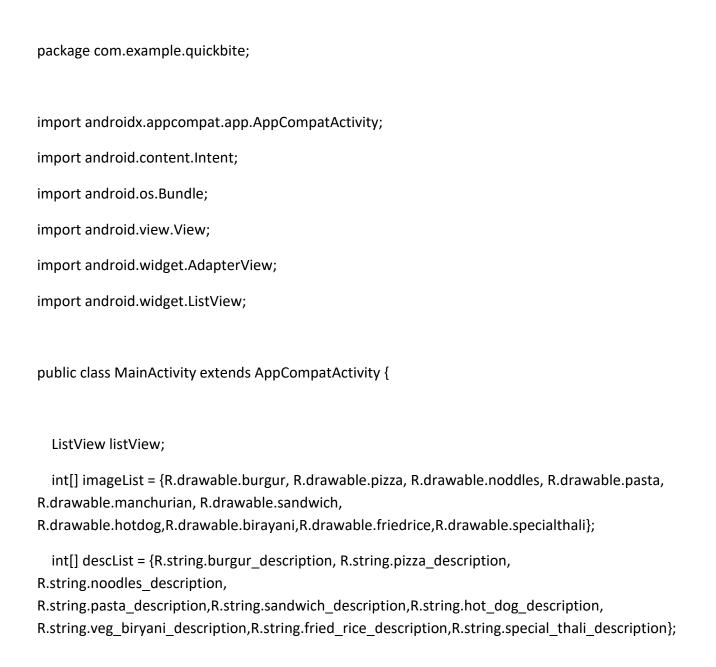


Roll No :- 872 Division :- G

1) Create an android application which shows the list of various food Items in a list view. Clicking on any food Item will show another activity with the food item details

## **Source Code:**

# MainActivity.java





```
Name:-PUROHIT VINAYAK RAMESHKUMAR
```

```
String[] nameList = {"Burgur", "Pizza", "Noodles", "Pasta", "Manchurian", "Sandwich", "Hot Dog",
"Veg Biryani", "Fried Rice", "Special Thali"};
  String[] timeList = {"30 mins", "2 mins", "45 mins", "10mins", "15 Mins", "20 Mins", "10 Mins", "15
Mins","10 Mins", "20 Mins"};
  String[] price = {"200", "330", "129", "99", "159", "119", "150", "250", "149", "399"};
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
    listView = (ListView) findViewById(R.id.listView);
    CustomeListView customeListView = new
CustomeListView(getApplicationContext(),nameList,imageList,price);
    listView.setAdapter(customeListView);
    listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
      @Override
      public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
        Intent intent = new Intent(MainActivity.this, activity details.class);
        intent.putExtra("name",nameList[position]);
        intent.putExtra("time", timeList[position]);
        intent.putExtra("desc", descList[position]);
        intent.putExtra("image", imageList[position]);
```



Roll No :- 872 Division :- G

```
intent.putExtra("showprice",price[position]);
    startActivity(intent);
}
});
}
```

# activity\_main.xml

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

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

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout_width="match_parent"

android:layout_height="match_parent"

android:backgroundTint="@color/white"

android:orientation="vertical"

tools:context=".MainActivity">

<LinearLayout

android:layout_width="match_parent"

android:layout_height="wrap_content"

android:gravity="center">
```



<TextView

Name: - PUROHIT VINAYAK RAMESHKUMAR

Roll No :- 872 Division :- G

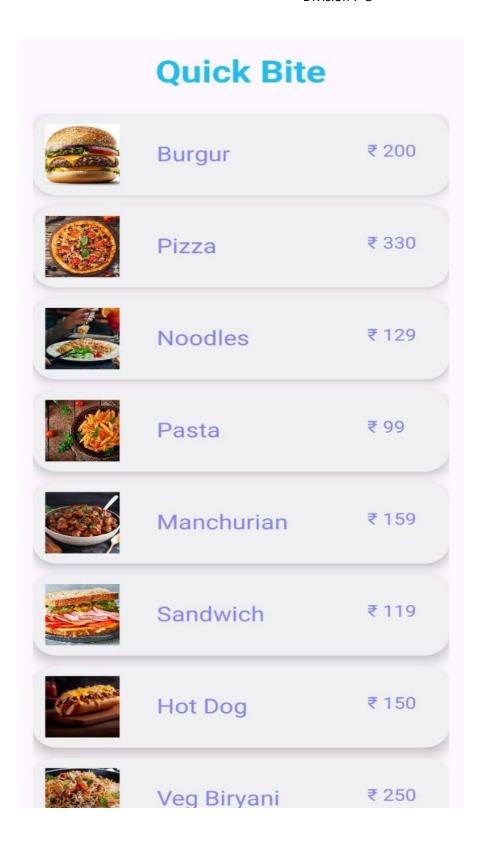
```
android:layout_height="wrap_content"
       android:layout_gravity="center"
       android:text="Quick Bite"
       android:textStyle="bold"
       android:textSize="30dp"
       android:textColor="#23BEED"
       android:padding="10dp"/>
  </LinearLayout>
  <ListView
    android:id="@+id/listView"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_marginStart="12dp"
    android:layout_marginTop="12dp"
    android:layout_marginEnd="12dp"
    android:divider="@android:color/transparent"
    android:dividerHeight="10.0sp"
    android:listSelector="#EDEDED"
    android:scrollbars="vertical"
    tools:listitem="@layout/activity_list_item" />
</LinearLayout>
```

android:layout\_width="wrap\_content"



Roll No :- 872 Division :- G

# Output:





Roll No :- 872 Division :- G

# list\_item.java

```
package com.example.quickbite;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class list_item extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_list_item);
  }
}
                                  activity_list_item.xml
<?xml version="1.0" encoding="utf-8"?>
<androidx.cardview.widget.CardView xmlns:android="http://schemas.android.com/apk/res/android"</p>
  android:layout_width="match_parent"
  android:layout_height="wrap_content"
  xmlns:app="http://schemas.android.com/apk/res-auto"
```



```
android:layout marginStart="12dp"
android:layout_marginEnd="12dp"
android:layout_marginVertical="10dp"
android:layout_marginHorizontal="10dp"
app:cardCornerRadius="20dp"
app:cardElevation="8dp">
<RelativeLayout
  android:layout_width="match_parent"
  android:layout_height="wrap_content">
  <com.google.android.material.imageview.ShapeableImageView</p>
    android:id="@+id/image"
    android:layout_width="60dp"
    android:layout_height="60dp"
    android:src="@drawable/maggi"
    android:scaleType="centerCrop"
    android:layout_marginStart="10dp"
    android:layout_marginBottom="10dp"
    android:layout_marginTop="10dp" />
  <TextView
    android:layout_width="120dp"
    android:layout_height="30dp"
    android:id="@+id/name"
```



Roll No :- 872 Division :- G

```
android:text="Name"

android:textColor="@color/lavender"

android:textSize="20sp"

android:layout_marginTop="25dp"

android:layout_marginStart="30dp"

android:layout_toEndOf="@id/image"/>
```

#### <TextView

android:layout\_width="80dp"
android:layout\_height="30dp"
android:id="@+id/price"
android:text="time"
android:textSize="16sp"
android:layout\_toEndOf="@id/name"
android:layout\_marginTop="25dp"
android:layout\_marginStart="50dp"
android:textColor="@color/lavender"/>
</RelativeLayout>

</androidx.cardview.widget.CardView>



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# CustomeListView.java

```
package com.example.quickbite;
import android.content.Context;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.BaseAdapter;
import android.widget.ImageView;
import android.widget.TextView;
public class CustomeListView extends BaseAdapter {
  Context context;
  String names[];
  int images[];
  String price[];
  LayoutInflater inflater;
  public CustomeListView(Context ctx,String[] nm ,int[] img, String[] amount){
     this.context = ctx;
     this.images = img;
     this.names = nm;
     this.price = amount;
    inflater = LayoutInflater.from(ctx);
  }
  @Override
```



}

Name: - PUROHIT VINAYAK RAMESHKUMAR

```
public int getCount() {
  return names.length;
}
@Override
public Object getItem(int position) {
  return null;
}
@Override
public long getItemId(int position) {
  return 0;
}
@Override
public View getView(int position, View convertView, ViewGroup parent) {
  convertView = inflater.inflate(R.layout.activity_list_item,null);
  TextView txtview = (TextView) convertView.findViewByld(R.id.name);
  ImageView img = (ImageView) convertView.findViewById(R.id.image);
  TextView pricetxt = (TextView) convertView.findViewById(R.id.price);
  txtview.setText(names[position]);
  pricetxt.setText("₹ "+price[position]);
  img.setImageResource(images[position]);
  return convertView;
}
```



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# **Activity\_details**

package com.example.quickbite;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.ImageView;
import android.widget.TextView;
import android.widget.Toast;
public class activity_details extends AppCompatActivity {
Button button ;
ImageView detailImage;
int quantity = 1,showprice;
TextView Desc,showtime,detailname,price,showquantity,increment,decrement;;
@Override
protected void onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);



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setContentView(R.layout.activity\_details);

```
button = (Button) findViewById(R.id.btnplaceoder);
detailImage = (ImageView) findViewById(R.id.detailImage);
Desc = (TextView) findViewById(R.id.desc);
showtime = (TextView) findViewByld(R.id.showtime);
price = (TextView) findViewById(R.id.price);
detailname = (TextView) findViewByld(R.id.detailName);
showquantity = (TextView) findViewById(R.id.quantity);
increment = (TextView) findViewById(R.id.incrementButton);
decrement = (TextView) findViewById(R.id.decrementButton);
showquantity.setText(""+quantity);
Intent intent = this.getIntent();
if (intent != null) {
  String name = intent.getStringExtra("name");
  String time = intent.getStringExtra("time");
  int desc = intent.getIntExtra("desc", R.string.manchurian_description);
  int image = intent.getIntExtra("image", R.drawable.manchurian);
  showprice = intent.getIntExtra("showprice",100);
  detailname.setText(name);
  showtime.setText("\overline{\mathbb{X}}" +time);
```



```
Desc.setText(desc);
       price.setText("₹ "+showprice*quantity);
       detailImage.setImageResource(image);
    }
     increment.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
          if(quantity < 20){
            quantity++;
            showquantity.setText(""+quantity);
            price.setText("₹ "+showprice*quantity);
          }else {
            Toast.makeText(activity_details.this, "!! Max 20 item you can select at a time !!",
Toast.LENGTH_SHORT).show();
          }
       }
    });
    decrement.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
          if(quantity > 1){
            quantity--;
```



}

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```
showquantity.setText(""+quantity);
            price.setText("₹ "+showprice*quantity);
          } else {
            Toast.makeText(activity_details.this, "!! Quantity Can't to less than 1 !!",
Toast.LENGTH_SHORT).show();
          }
       }
     });
     button.setOnClickListener(new View.OnClickListener() {
       @Override
       public void onClick(View v) {
          Toast.makeText(activity_details.this, "Order Placed..! [4]",
Toast.LENGTH_SHORT).show();
          Intent i=new Intent(getApplicationContext(),MainActivity.class);
          startActivity(i);
       }
    });
  }
```



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# activity\_details.xml

```
<?xml version="1.0" encoding="utf-8"?>
<ScrollView xmlns:android="http://schemas.android.com/apk/res/android"</p>
  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:layout_margin="20dp"
  android:backgroundTint="@color/white"
  tools:context=".activity_details"
  tools:ignore="ExtraText">
  <LinearLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <androidx.cardview.widget.CardView
       android:id="@+id/cardImage"
       android:layout_width="380dp"
       android:layout_height="220dp"
       android:layout_gravity="center"
       android:layout_margin="10dp"
       app:cardCornerRadius="10dp"
       app:cardElevation="8dp">
```



```
<lmageView
    android:id="@+id/detailImage"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:layout_gravity="center"
    android:contentDescription="@string/todo"
    android:scaleType="centerCrop"
    android:src="@drawable/maggi"/>
</androidx.cardview.widget.CardView>
<RelativeLayout
  android:layout_width="match_parent"
  android:layout_height="wrap_content">
  <TextView
    android:layout_width="100dp"
    android:layout_height="wrap_content"
    android:text=" ☆ 4.5 Rating"
    android:textColor="@color/black" />
  <TextView
    android:id="@+id/showtime"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:breakStrategy="balanced"
    android:gravity="end"
    android:text="\boxedeta45min"/>
</RelativeLayout>
```



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```
<LinearLayout
```

android:layout\_width="match\_parent"
android:layout\_height="wrap\_content"
android:layout\_marginTop="15dp"
android:orientation="horizontal">
<TextView
android:id="@+id/detailName"
android:layout\_width="0dp"
android:layout\_height="wrap\_content"
android:layout\_weight="1"
android:layout\_marginStart="10dp"
android:text="@string/recipe\_name"
android:textColor="#FAAF42"
android:textSize="24sp"
android:layout\_gravity="center"

### <LinearLayout

android:textStyle="bold" />

android:layout\_width="wrap\_content"
android:layout\_height="wrap\_content"
android:padding="5dp"
android:layout\_marginEnd="5dp"
android:background="#FBEFEF"
android:orientation="horizontal">
<LinearLayout



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```
android:layout_width="wrap_content"

android:layout_height="wrap_content">

<TextView

android:id="@+id/decrementButton"

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:textSize="30sp"

android:layout_gravity="center"

android:textStyle="bold"

android:text="-"/>
```

#### <TextView

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

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="10dp"

android:layout_marginEnd="10dp"

android:background="#ffffff"

android:layout_gravity="center"

android:text="0"

android:textSize="24sp"/>
```

#### <TextView

android:id="@+id/incrementButton" android:layout\_width="wrap\_content"



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```
android:layout_height="wrap_content"
       android:textSize="30sp"
       android:layout_gravity="center"
       android:text="+"/>
    </LinearLayout>
  </LinearLayout>
</LinearLayout>
<TextView
  android:layout_width="wrap_content"
  android:layout_height="wrap_content"
  android:layout_marginStart="10dp"
  android:layout_marginTop="15dp"
  android:text="Description"
  android:textColor="@color/black"
  android:textSize="20sp"
  android:textStyle="bold" />
<TextView
```

android:id="@+id/desc"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_marginStart="10dp"

android:layout\_marginTop="10dp"

android:text="@string/descriptioninfo"

android:textColor="#605F5F"



android:textSize="18dp" />

Name: - PUROHIT VINAYAK RAMESHKUMAR

```
<TextView
```

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

android:layout_width="wrap_content"

android:layout_height="wrap_content"

android:layout_marginStart="10dp"

android:layout_marginTop="25dp"

android:text="Add on"

android:textColor="@color/black"

android:textSize="20sp"

android:textStyle="bold" />
```



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```
android:layout_width="match_parent"

android:layout_height="match_parent"

android:text=" Corn"

android:textSize="20dp" />
```

#### <RadioButton

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text=" Olive"

android:textSize="20dp" />

#### <RadioButton

android:layout\_width="match\_parent"
android:layout\_height="wrap\_content"
android:text="Bell Pepper"
android:textSize="20dp" />

#### <RadioButton

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:text=" Extra Cheese"

android:textSize="20dp" />

</RadioGroup>

</androidx.cardview.widget.CardView>

<RelativeLayout



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```
android:layout_width="match_parent"
android:layout_height="52dp"
android:layout_marginTop="5dp"
android:layout_marginEnd="10dp"
android:gravity="center|bottom">
```

#### <TextView

android:id="@+id/price"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="30dp"

android:layout\_marginTop="5dp"

android:text="\$19.00"

android:textSize="20dp" />

#### <TextView

android:layout\_width="wrap\_content"
android:layout\_height="wrap\_content"
android:layout\_marginStart="28dp"
android:layout\_marginTop="27dp"
android:text="included Taxes"
android:textSize="10dp"
tools:ignore="TextSizeCheck" />

<com.google.android.material.button.MaterialButton android:id="@+id/btnplaceoder"



</LinearLayout>

</ScrollView>

Name: - PUROHIT VINAYAK RAMESHKUMAR

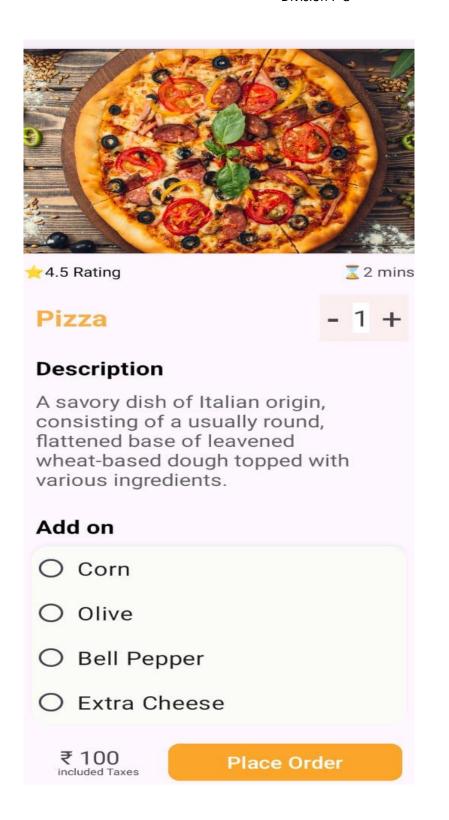
Roll No :- 872 Division :- G

android:layout\_width="match\_parent"
android:layout\_height="wrap\_content"
android:layout\_marginStart="40dp"
android:layout\_toEndOf="@id/price"
android:backgroundTint="#FBA629"
android:gravity="center"
android:text="Place Order"
android:textSize="18dp"
app:cornerRadius="10dp" />
</RelativeLayout>



Roll No :- 872 Division :- G

# Output:





Roll No :- 872 Division :- G

2) Create a flutter application which shows the list of students in a list view. Clicking on any student will show another page with student's details.

## main.dart

```
import 'package:flutter/material.dart';
import 'package:student_data/student_details.dart';
import 'model/student.dart';
void main() {
 runApp(const MyApp());
}
class MyApp extends StatelessWidget {
 const MyApp({Key? key}) : super(key: key);
 @override
 Widget build(BuildContext context) {
  return MaterialApp(
   title: 'Student Data',
   theme: ThemeData(
    primarySwatch: Colors.blue,
   ),
   debugShowCheckedModeBanner: false,
   home: const StudentList(),
  );
```



```
}
class StudentList extends StatelessWidget {
 const StudentList({Key? key}) : super(key: key);
 @override
 Widget build(BuildContext context) {
  final student = students;
  return Scaffold(
   appBar: AppBar(
     title: const Text(
      "SDJ International Collage",
      style: TextStyle(
       fontWeight: FontWeight.bold,
       color: Colors.white, // Set text color to white
      ),
     ),
     backgroundColor: const Color(0xFF52B8F7),
     elevation: 0,
    centerTitle: true,
   ),
   backgroundColor: const Color(0xFF52B8F7),
   body: SingleChildScrollView(
    child: Column(
```



```
crossAxisAlignment: CrossAxisAlignment.start,
children: [
 students.isEmpty
   ? const Center(
  child: Text(
   'No students available',
   style: TextStyle(fontSize: 18),
  ),
   : ListView.builder(
  physics: const NeverScrollableScrollPhysics(),
  shrinkWrap: true,
  itemCount: student.length,
  itemBuilder: (context, index) {
   final student = students[index];
   return Padding(
     padding: const EdgeInsets.all(10),
     child: Card(
      color: Colors.white,
      elevation: 5,
      child: ListTile(
       onTap: () {
         Navigator.push(
          context,
          MaterialPageRoute(
```



);

},

Name: - PUROHIT VINAYAK RAMESHKUMAR

```
builder: (context) =>
         StudentDetails(student: students[index]),
     ),
    );
  },
  leading: CircleAvatar(
   backgroundImage: NetworkImage(student.imageUrl),
  ),
   title: Text(
    student.name,
    style: const TextStyle(
     fontSize: 20,
     color: Colors.black,
   ),
  ),
  subtitle: Text(
    "Class: " + student.Class,
    style: const TextStyle(
     fontSize: 15,
   ),
  ),
 ),
),
```



```
),
],
),
);
}
```

student.dart

```
class Student {
  final String name;
  final String imageUrl;
  final String Class;
  final int rollNo;

Student({
    required this.name,
    required this.imageUrl,
    required this.Class,
    required this.rollNo,
  });
}
```

List<Student> students = [

Name:-PUROHIT VINAYAK RAMESHKUMAR



```
Student(
  name: "Vinayak Purohit",
  imageUrl: "https://cdn.pixabay.com/photo/2020/07/01/12/58/icon-5359553_640.png",
  Class: "SYBCA",
  rollNo: 872,
 ),
 Student(
  name: "Shailesh Prajapti",
  imageUrl: "https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcRASaDRmInbjo1pwypLMkP3Z3LC1UeAymCAEh0ZUIM-
Ww&s",
  Class: "SYBCA",
  rollNo: 871,
 ),
 Student(
  name: "Vishal Purohit",
  imageUrl: "https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcQK_BCyNz54BP19xEJsd01kUxzd-GdtIMn_Ew",
  Class: "SYBCOM",
  rollNo: 798,
 ),
 Student(
  name: "Ketan Lad",
  imageUrl: "https://encrypted-tbn0.gstatic.com/images?q=tbn:ANd9GcRkiIFjCOZ-
mMeqxd2ryrneiHedE8G9S0AboA&usqp=CAU",
  Class: "SYBCA",
  rollNo: 838,
```

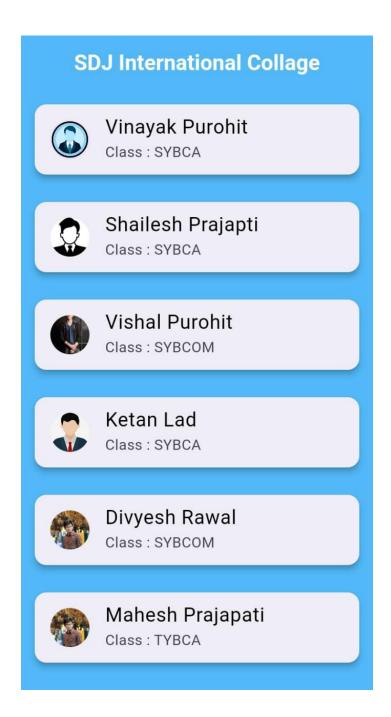


```
),
 Student(
  name: "Divyesh Rawal",
  imageUrl: "https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcRDWNeajmNh6MxbMbl21K71y8PuOtx9klR4FXYKx_reslyhcf
ce-SwSyJRmJM_BMCDfVI8",
  Class: "SYBCOM",
  rollNo: 235,
 ),
 Student(
  name: "Mahesh Prajapati",
  imageUrl: "https://encrypted-
tbn0.gstatic.com/images?q=tbn:ANd9GcRDWNeajmNh6MxbMbl21K71y8PuOtx9klR4FXYKx_reslyhcf
ce-SwSyJRmJM_BMCDfVI8",
  Class: "TYBCA",
  rollNo: 897,
 ),
];
```



Roll No :- 872 Division :- G

# **Output:**





Roll No :- 872 Division :- G

### student.dart

```
import 'package:flutter/material.dart';
import 'package:student_data/model/student.dart';
class StudentDetails extends StatelessWidget {
 final Student student;
 const StudentDetails({
  Key? key,
  required this.student,
 }) : super(key: key);
 @override
 Widget build(BuildContext context) {
  return Scaffold(
   backgroundColor: Colors.white70,
   appBar: AppBar(
    title: const Text("Student Details"),
     elevation: 0,
     backgroundColor: Colors.blue,
   ),
   body: Padding(
     padding: const EdgeInsets.all(16),
     child: Column(
```



```
crossAxisAlignment: CrossAxisAlignment.center,
children: [
 const Text(
  "SDJ International Collage",
  style: TextStyle(
   fontSize: 24,
   fontWeight: FontWeight.bold,
  ),
 ),
 const SizedBox(height: 16),
 Center(
  child: Column(
   children: [
    CircleAvatar(
      backgroundImage: NetworkImage(student.imageUrl),
      radius: 50,
    ),
    const SizedBox(height: 45),
    Text(
      "NAME:- ${student.name}",
      style: const TextStyle(fontSize: 20),
    ),
    const SizedBox(height: 16),
    Text(
      "CLASS:- ${student.Class}",
```

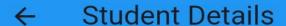


```
style: const TextStyle(fontSize: 20),
           ),
           const SizedBox(height: 16),
           Text(
             "ROLL No:- ${student.rollNo}",
             style: const TextStyle(fontSize: 20),
           ),
          ],
        ),
       ),
      ],
    ),
   ),
  );
 }
}
```



Roll No :- 872 Division :- G

# Output:



# **SDJ International Collage**



NAME:- Vinayak Purohit

**CLASS:- SYBCA** 

ROLL No:-872