Q1. Write a program to display 5 students basic information in a table form using Table layout

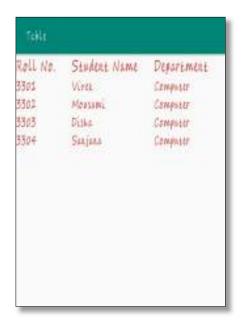
XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<TableLayout 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:stretchColumns="0,1,2"
  tools:context=".MainActivity">
<TableRow>
  <TextView
    android:id="@+id/textView18"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Roll No."
    android:textSize="25dp"
    android:textColor="#F80903" />
  <TextView
    android:id="@+id/textView15"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Student Name"
    android:textSize="25dp"
    android:textColor="#F80903" />
  <TextView
    android:id="@+id/textView10"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Department"
    android:textSize="25dp"
    android:textColor="#F80903" />
</TableRow>
  <TableRow>
    <TextView
      android:id="@+id/textView7"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="3301"
      android:textColor="#F80903"
      android:textSize="20dp" />
    <TextView
      android:id="@+id/textView"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="Vivek"
      android:textSize="20dp"
      android:textColor="#F80903" />
```

```
<TextView
    android:id="@+id/textView2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Computer"
    android:textSize="20dp"
    android:textColor="#F80903" />
</TableRow>
<TableRow>
  <TextView
    android:id="@+id/textView3"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="3302"
    android:textSize="20dp"
    android:textColor="#F80903" />
  <TextView
    android:id="@+id/textView4"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Mousami"
    android:textSize="20dp"
    android:textColor="#F80903" />
  <TextView
    android:id="@+id/textView5"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Computer"
    android:textSize="20dp"
    android:textColor="#F80903" />
</TableRow>
<TableRow>
  <TextView
    android:id="@+id/textView6"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="3303"
    android:textSize="20dp"
    android:textColor="#F80903" />
  <TextView
    android:id="@+id/textView8"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Disha"
    android:textSize="20dp"
    android:textColor="#F80903" />
  <TextView
    android:id="@+id/textView9"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Computer"
    android:textSize="20dp"
```

```
android:textColor="#F80903" />
  </TableRow>
  <TableRow>
    <TextView
       android:id="@+id/textView11"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="3304"
      android:textSize="20dp"
      android:textColor="#F80903" />
    <TextView
      android:id="@+id/textView12"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="Sanjana"
      android:textColor="#F80903"
      android:textSize="20dp" />
    <TextView
      android:id="@+id/textView13"
      android:layout width="wrap content"
      android:layout height="wrap content"
      android:text="Computer"
      android:textSize="20dp"
      android:textColor="#F80903" />
  </TableRow>
</TableLayout>
JAVA code:
package com.example.table;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.on Create (saved Instance State);\\
    setContentView(R.layout.activity main);
  }
}
```

Output:



Q2. Write a program to display all the data types in object oriented programming using Frame layout

XML code:

```
<?xml version="1.0" encoding="utf-8"?>
<FrameLayout 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"
  tools:context=".MainActivity">
  <Button
    android:id="@+id/button"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="integer" />
  <Button
    android:id="@+id/button2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="character"
    android:layout gravity="top|right"/>
  <Button
    android:id="@+id/button3"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="float"
    android:layout gravity="top|center horizontal"/>
  <Button
    android:id="@+id/button4"
    android:layout width="wrap content"
```

```
android:layout height="wrap content"
    android:text="double"
    android:layout gravity="left|center vertical"/>
  <Button
    android:id="@+id/button5"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="boolean"
    android:layout gravity="right|center vertical"/>
  <Button
    android:id="@+id/button6"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="string"
    android:layout gravity="center"/>
  <Button
    android:id="@+id/button7"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="long"
    android:layout gravity="left|bottom"/>
  <Button
    android:id="@+id/button8"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="shortInt"
    android:layout gravity="right|bottom"/>
  <Button
    android:id="@+id/button9"
    android:layout width="wrap content"
    android:layout height="wrap_content"
    android:text="longInt"
    android:layout gravity="center|bottom"/>
</FrameLayout>
JAVA code:
package com.example.frame;
import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;
public class MainActivity extends AppCompatActivity {
  @Override
  protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity main);
  }
```

}

Output:

