

# Java Source Code:

package com.example.emalismail.myapplication;  
  
import android.support.v7.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 implements View.OnClickListener {  
  
 EditText et\_ID, et\_Code, et\_Total;  
 Button bt\_show;  
 TextView tv\_Data;  
 int ID;  
 String Code;  
 int Total;  
 String Mark;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 et\_ID = (EditText) findViewById(R.id.*et\_ID*);  
 et\_Code = (EditText) findViewById(R.id.*et\_Code*);  
 et\_Total = (EditText) findViewById(R.id.*et\_Total*);  
  
 bt\_show = findViewById(R.id.*bt\_Show*);  
 tv\_Data = findViewById(R.id.*tv\_Data*);  
  
 bt\_show.setOnClickListener(this);  
 }  
  
 @Override  
 public void onClick(View v) {  
 int viewID = v.getId();  
 if (viewID==R.id.*bt\_Show*){  
 ID = Integer.*parseInt*(et\_ID.getText().toString().trim());  
 Code = et\_Code.getText().toString().trim();  
 Total = Integer.*parseInt*(et\_Total.getText().toString().trim());  
  
 if (Total >= 95){  
 Mark = String.*valueOf*(Total);  
 Mark = "A";  
 } else if (Total <95 && Total>90 ){  
 Mark = String.*valueOf*(Total);  
 Mark = "A-";  
 } else if (Total <90 && Total>85 ) {  
 Mark = String.*valueOf*(Total);  
 Mark = "B+";  
 } else if (Total <85 && Total>80 ){  
 Mark = String.*valueOf*(Total);  
 Mark = "B";  
 } else if (Total <80 && Total>75 ){  
 Mark = String.*valueOf*(Total);  
 Mark = "C";  
 }else if (Total <70 && Total>65 ){  
 Mark = String.*valueOf*(Total);  
 Mark = "C-";  
 } else if (Total <65 ){  
 Mark = String.*valueOf*(Total);  
 Mark = "F";  
 }  
  
  
  
 String info = "Student ID: " + ID + "\n\n" + "Course Code: " + Code + "\n\n" +   
 "Total Marks: " + Total + "\n\n" + "Grade: " + Mark ;  
 tv\_Data.setText(info);  
  
 }  
 }  
}

# XML Source Code:

<?xml version="1.0" encoding="utf-8"?>  
<android.support.constraint.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:layout\_height="match\_parent"  
 tools:context=".GradeApp">  
  
 <TextView  
 android:id="@+id/textView5"  
 android:layout\_width="292dp"  
 android:layout\_height="31dp"  
 android:layout\_marginEnd="8dp"  
 android:layout\_marginLeft="8dp"  
 android:layout\_marginRight="8dp"  
 android:layout\_marginStart="8dp"  
 android:layout\_marginTop="28dp"  
 android:text="Emal's Student Grading System"  
 android:textAppearance="@style/TextAppearance.AppCompat.SearchResult.Title"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.503"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintRight\_toRightOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/et\_ID"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="11dp"  
 android:layout\_marginEnd="16dp"  
 android:layout\_marginRight="16dp"  
 android:layout\_marginTop="89dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toTopOf="@+id/et\_Code"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/textView2"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <EditText  
 android:id="@+id/et\_Code"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="15dp"  
 android:layout\_marginEnd="16dp"  
 android:layout\_marginRight="16dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toTopOf="@+id/et\_Total"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/textView3"  
 app:layout\_constraintTop\_toBottomOf="@+id/et\_ID" />  
  
 <EditText  
 android:id="@+id/et\_Total"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="253dp"  
 android:layout\_marginEnd="1dp"  
 android:layout\_marginRight="1dp"  
 android:ems="10"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/textView4"  
 app:layout\_constraintTop\_toBottomOf="@+id/et\_Code" />  
  
 <TextView  
 android:id="@+id/textView2"  
 android:layout\_width="129dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="22dp"  
 android:layout\_marginEnd="19dp"  
 android:layout\_marginLeft="16dp"  
 android:layout\_marginRight="19dp"  
 android:layout\_marginStart="16dp"  
 android:layout\_marginTop="105dp"  
 android:text="Student ID:"  
 android:textAppearance="@style/TextAppearance.AppCompat.Large"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView3"  
 app:layout\_constraintEnd\_toStartOf="@+id/et\_ID"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="130dp"  
 android:layout\_height="27dp"  
 android:layout\_marginBottom="46dp"  
 android:layout\_marginEnd="20dp"  
 android:layout\_marginLeft="16dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_marginStart="16dp"  
 android:text="Course code:"  
 android:textAppearance="@style/TextAppearance.AppCompat.Large"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView4"  
 app:layout\_constraintEnd\_toStartOf="@+id/et\_Code"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView2" />  
  
 <TextView  
 android:id="@+id/textView4"  
 android:layout\_width="130dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="261dp"  
 android:layout\_marginLeft="1dp"  
 android:layout\_marginStart="1dp"  
 android:text="Total Marks:"  
 android:textAppearance="@style/TextAppearance.AppCompat.Large"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toStartOf="@+id/et\_Total"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/textView3" />  
  
 <Button  
 android:id="@+id/bt\_Show"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="11dp"  
 android:layout\_marginEnd="20dp"  
 android:layout\_marginLeft="20dp"  
 android:layout\_marginRight="20dp"  
 android:layout\_marginStart="20dp"  
 android:layout\_marginTop="303dp"  
 android:text="Show Grade"  
 app:layout\_constraintBottom\_toTopOf="@+id/tv\_Data"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@+id/textView3"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/tv\_Data"  
 android:layout\_width="0dp"  
 android:layout\_height="0dp"  
 android:layout\_marginBottom="6dp"  
 android:layout\_marginEnd="21dp"  
 android:layout\_marginLeft="21dp"  
 android:layout\_marginRight="21dp"  
 android:layout\_marginStart="21dp"  
 android:textSize="20sp"  
 android:textAlignment="gravity"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/bt\_Show" />  
  
</android.support.constraint.ConstraintLayout>