

OUTPUT

5:31

GRADE POINT AVERAGE (GPA) CALCULATOR

COURSE	CREDIT	GRADE
SUBJECT 1	3	4
SUBJECT 2	4	3
SUBJECT 3	3	2
SUBJECT 4	2	3
SUBJECT 5	4	4

Calculate Reset

Total Credit: 16

GPA : 3.25

Status: pass

CODES

```
</> activity_main.xml  MainActivity.kt x
1  package com.example.gpacalculatorapps
2
3  > import ...
9
10 </> class MainActivity : AppCompatActivity() {
11
12     private lateinit var btnCal : Button
13     private lateinit var btnR : Button
14     private lateinit var eTC1 : EditText
15     private lateinit var eTC2 : EditText
16     private lateinit var eTC3 : EditText
17     private lateinit var eTC4 : EditText
18     private lateinit var eTC5 : EditText
19     private lateinit var eTG1 : EditText
20     private lateinit var eTG2 : EditText
21     private lateinit var eTG3 : EditText
22     private lateinit var eTG4 : EditText
23     private lateinit var eTG5 : EditText
24     private lateinit var tVTotCred : TextView
25     private lateinit var tVG : TextView
26     private lateinit var tVs : TextView
27
28
```

```
29
30 override fun onCreate(savedInstanceState: Bundle?) {
31     super.onCreate(savedInstanceState)
32     setContentView(R.layout.activity_main)
33
34     btnCal = findViewById(R.id.btnCalculate)
35     btnR = findViewById(R.id.btnReset)
36     eTC1 = findViewById(R.id.eTNumber8)
37     eTC2 = findViewById(R.id.eTNumber13)
38     eTC3 = findViewById(R.id.eTNumber7)
39     eTC4 = findViewById(R.id.eTNumber6)
40     eTC5 = findViewById(R.id.eTNumber11)
41
42
43     this.eTG1 = findViewById(R.id.eTGrade)
44     this.eTG2 = findViewById(R.id.eTGrade2)
45     this.eTG3 = findViewById(R.id.eTGrade11)
46     this.eTG4 = findViewById(R.id.eTGrade3)
47     this.eTG5 = findViewById(R.id.eTGrade19)
48     tVTotCred = findViewById(R.id.tVTotalCredit)
49     tVG = findViewById(R.id.tVGPA)
50     tVs = findViewById(R.id.tVStatus)
51
```

```

51
52     btnCal.setOnClickListener { it: View!
53         val credit1 = eTC1.text.toString().toInt()
54         val credit2 = eTC2.text.toString().toInt()
55         val credit3 = eTC3.text.toString().toInt()
56         val credit4 = eTC4.text.toString().toInt()
57         val credit5 = eTC5.text.toString().toInt()
58         val grade1 = eTG1.text.toString().toInt()
59         val grade2 = eTG2.text.toString().toInt()
60         val grade3 = eTG3.text.toString().toInt()
61         val grade4 = eTG4.text.toString().toInt()
62         val grade5 = eTG5.text.toString().toInt()
63         var status = ""
64
65
66         val df = DecimalFormat( pattern: "#,###,###.##")
67
68         val total : Int = credit1 + credit2 + credit3 + credit4 + credit5
69
70         val tGrade: Int = (credit1 * grade1) + (credit2 * grade2) + (credit3*grade3) + (credit4*grade4) +
71             (credit5*grade5)
72         val gpa = tGrade.toDouble() / total
73

```

```

75
76
77         if (gpa > 2.00)
78             status = "pass"
79         else
80             status = "fail"
81
82         tVTotCred.text = total.toString()
83         tVG.text = df.format(gpa).toString()
84         tVs.text = status
85
86
87         btnR.setOnClickListener { it: View!
88
89
90             eTC1.setText("")
91             eTC2.setText("")
92             eTC3.setText("")
93             eTC4.setText("")
94             eTC5.setText("")
95
96
97         }
98
99
100     }
101
102 }
103

```