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1 # Highway Robbery Midterm
2 # Example
3
4 def main():
5     getData()
6 def getData():
7     Name = input("Please enter the
customer's name.....:")
8     Age = int(input("Please enter the
customer's age.....:"))
9     if Age < 16 or Age > 105:
10        customerName = ""
11        rcode=0
12        price=0
13        customerAge = Age
14        trafficViolations = 0
15        output(customerName, rcode, price,
customerAge, trafficViolations)
16    else:
17        Violations=int(input("Please enter
the number of traffic violations.:"))
18        calc(Name, Age, Violations)
19 def calc(customerName, customerAge,
trafficViolations):
20     if customerAge < 25:
21         if trafficViolations >=4:
22             code = 1
23             price = 480
24         elif trafficViolations >=3 and
trafficViolations <4:
25             code = 2
26             price = 450
27         elif trafficViolations >=2 and
trafficViolations <3:
28             code = 2
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29         price = 405
30         elif trafficViolations >=1 and
trafficViolations <2:
31             code = 3
32             price = 380
33         elif trafficViolations <1:
34             code = 4
35             price = 325
36     elif customerAge>=25:
37         if trafficViolations >=4:
38             code = 1
39             price = 410
40         elif trafficViolations >=3 and
trafficViolations <4:
41             code = 2
42             price = 390
43         elif trafficViolations >=2 and
trafficViolations <3:
44             code = 2
45             price = 365
46         elif trafficViolations >=1 and
trafficViolations <2:
47             code = 3
48             price = 315
49         elif trafficViolations <1:
50             code = 4
51             price = 275
52
53     if code ==4:
54         rcode = "no"
55     elif code ==3:
56         rcode = "low"
57     elif code ==2:
58         rcode = "moderate"
59     else:
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60         rcode = "high"
61     output(customerName, rcode, price,
customerAge, trafficViolations)
62 def output(custName, riskCode, costofIns,
customerAge, trafficViolations):
63     if customerAge<16 or customerAge > 105:
64         print('Invalid entry')
65     elif trafficViolations<0:
66         print("Invalid entry")
67     else:
68         print(custName, 'as a',riskCode,
'risk driver, your insurance will cost $',
format(costofIns, '.2f'))
69
70 main()
71
```