PDF lab4 group outline for activity 2

--Variables--
Age

Age	Points
20-34	-7
35-39	-3
40-44	0
45-49	3
50-54	6
55-59	8
60-64	10
65-69	12
70-74	14
75-79	16

Total Cholesterol

Total Cholesterol	Points				
	Age 20-39	Age 40-49	Age 50-59	Age 60-69	Age 70-79
<160	0	0	0	0	0
160-199	4	3	2	1	1
200-239	8	6	4	2	1
240-279	11	8	5	3	2
≥280	13	10	7	4	2

Non-smoker/Smoker

	Points				
	Age 20-39	Age 40-49	Age 50-59	Age 60-69	Age 70-79
onsmoker	0	0	0	0	0
moker	9	7	4	2	1

HDL

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HDL (mg/dL)	Points
≥60	-1
50-59	0
40-49	1
<40	2

BP

Systolic BP (mmHg)	If Untreated	If Treated
<120	0	0
120-129	1	3
130-139	2	4
140-159	3	5
≥160	4	6

--Steps--
-input age
-calculate points based on age
-input cholesterol
-calculate points based on cholesterol
-input smoker/non-smoker
-calculate points based on smoker/non
-input HDL
-calculate points based on HDL
-input BP
-calculate points based on BP
-calculate total points
-print total points in a statement
--Test Cases--

#If a test case does not have a variable listed the point value is assumed to be zero.
  1. Age? 37
        a. Points:
2. Age? 46 ; Cholesterol? 173
    a. Points:
3. Age? 59 ; Smoker? Yes ; HDL? 42
    a. Points:
4. Age? 23 ; Cholesterol? 166 ; Smoker? Yes ; HDL? 56 ; BP? 145
    a. Points:
5. Age? 52 ; Cholesterol? 218

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    a. Points:

6. Age? 34 ; Smoker? Yes

    a. Points:

7. Age? 25 ; HDL? 39

    a. Points:

8. Age? 49 ; BP? 123 ; Treated? Y

    a. Points:

9. Age? 33 ; Cholesterol? 156 ; Smoker? Y ; HDL? 38 ; BP? 120 ; Treated? N

    a. Points:

10 Age? 21 ; Cholesterol? 164 ; Smoker? N ; HDL? 39 ; BP? 121 ; Treated? N

    b. Points:

11 Age? 20 ; Cholesterol? 239 ; Smoker? N ; HDL? 40 ; BP? 122 ; Treated? N

    c. Points:

12 Age? 55 ; Cholesterol? 242 ; Smoker? N ; HDL? 41 ; BP? 123 ; Treated? Y

    d. Points:

13 Age? 22 ; Cholesterol? 290 ; Smoker? Y ; HDL? 42 ; BP? 124 ; Treated? Y

    e. Points:

14 Age? 26 ; Cholesterol? 150 ; Smoker? Y ; HDL? 43 ; BP? 125 ; Treated? Y

    f. Points:

15 Age? 28 ; Cholesterol? 214 ; Smoker? Y ; HDL? 44 ; BP? 126 ; Treated? Y

    g. Points:

16 Age? 30 ; Cholesterol? 269 ; Smoker? Y ; HDL? 45 ; BP? 127 ; Treated? Y

    h. Points:

17 Age? 41 ; Cholesterol? 185 ; Smoker? N ; HDL? 46 ; BP? 128 ; Treated? Y

    i. Points:

18 Age? 44 ; Cholesterol? 199 ; Smoker? N ; HDL? 47 ; BP? 129 ; Treated? Y

    j. Points:

19 Age? 46 ; Cholesterol? 235 ; Smoker? N ; HDL? 48 ; BP? 130 ; Treated? N

    k. Points:

20 Age? 36 ; Cholesterol? 265 ; Smoker? Y ; HDL? 49 ; BP? 131 ; Treated ? N

    l. Points:

21 Age? 35 ; Cholesterol? 169 ; Smoker? Y ; HDL? 50 ; BP? 132 ; Treated? N

    m. Points:

22 Age? 29 ; Cholesterol? 152 ; Smoker? N ; HDL? 51 ; BP? 134 ; Treated? Y

    n. Points:

23 Age? 51 ; Cholesterol? 300 ; Smoker? Y ; HDL? 52 ; BP? 135 ; Treated? N

    o. Points:

24 Age? 53 ; Cholesterol? 299 ; Smoker? N ; HDL? 53 ; BP? 136 ; Treated? N

    p. Points:

25 Age? 57 ; Cholesterol? 266 ; Smoker? Y ; HDL? 54 ; BP? 137 ; Treated? N

    q. Points:

26 Age? 56 ; Cholesterol? 183 ; Smoker? N ; HDL? 55 ; BP? 138 ; Treated? Y

    r. Points:

27 Age? 50 ; Cholesterol? 251 ; Smoker? Y ; HDL? 56 ; BP? 139 ; Treated? Y
   s. Points:
28 Age? 32 ; Cholesterol? 201 ; Smoker? Y ; HDL? 57 ; BP? 140 ; Treated? Y
   t. Points:
29 Age? 31 ; Cholesterol? 217 ; Smoker? Y ; HDL? 58 ; BP? 141 ; Treated? Y
   u. Points:
30 Age? 20 ; Cholesterol? 197 ; Smoker? N ; HDL? 59 ; BP? 142 ; Treated? Y
   v. Points:
31 Age? 59 ; Cholesterol? 159 ; Smoker? N ; HDL? 60 ; BP? 143 ; Treated? N
   w. Points:
32 Age? 42 ; Cholesterol? 158 ; Smoker? N ; HDL? 61 ; BP? 144 ; Treated? Y
   x. Points:
33 Age? 46 ; Cholesterol? 214 ; Smoker? Y ; HDL? 62 ; BP? 145 ; Treated? N
   y. Points:
34 Age? 38 ; Cholesterol? 225 ; Smoker? Y ; HDL? 45 ; BP? 146 ; Treated? N
   z. Points:
35 Age? 39 ; Cholesterol? 263 ; Smoker? Y ; HDL? 52 ; BP? 147 ; Treated? N
   aa. Points:
36 Age? 51 ; Cholesterol? 279 ; Smoker? Y ; HDL? 69 ; BP? 148 ; Treated? Y
   bb. Points:
37 Age? 54 ; Cholesterol? 254 ; Smoker? N ; HDL? 43 ; BP? 149 ; Treated? N
   cc. Points:
38 Age? 26 ; Cholesterol? 176 ; Smoker? N ; HDL? 55 ; BP? 150 ; Treated? Y
   dd. Points:
39 Age? 37 ; Cholesterol? 182 ; Smoker? N ; HDL? 47 ; BP? 154 ; Treated? N
   ee. Points:
40 Age? 41 ; Cholesterol? 280 ; Smoker? N ; HDL? 59 ; BP? 165 ; Treated? Y
   ff. Points: