

Date: 30 September 2021

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Variable List:

sex

age

cigarette_smoking

total_cholesterol

HDL_cholesterol

blood_pressure

blood_pressure_medication

points

10_year_risk

Sequence of Steps:

1. Inputs for sex, age, smoking, total cholesterol, HDL, blood pressure, medication
2. Compute points based on age
3. Compute points based on total cholesterol
4. Compute points based on smoking
5. Compute points based on HDL
6. Compute points based on blood pressure
7. Calculate 10-year risk % from points
8. Print 10-year risk

Test Cases: (minimum 40)

Test case #	sex	age	smoking	total_cholesterol	HDL_cholesterol	BP	BP med	Type of test case
1	M	65	smoker	110	60	132	N	typical
2	F	20	non	251	42	123	N	edge
3	F	53	non	105	63	109	N	typical

4	M	25	non	205	55	142	Y	typical
5	M	43	smoker	160	39	115	N	typical
6	F	79	smoker	143	62	165	Y	edge

7	M	33	non	241 46 155 N	typical
8	F	37	smoker	295 26 135 N	typical
9	F	66	non	100 60 126 Y	typical
10	M	79	non	158 58 119 N	edge
11	F	72	smoker	225 53 141 Y	typical
12	M	45	smoker	320 23 167 Y 150 59 102 N	typical
13	M	73	non		typical
14	F	45	non	261 33 159 N	typical
15	F	23	smoker	189 40 130 Y	typical
16	F	50	non	199 50 145 N	typical
17	M	64	smoker	279 72 134 Y	typical
18	M	20	smoker	104 52 122 Y	edge
19	F	44	non	159 47 157 N	typical

20	M	66	non	201 51 123 N	typical
21	F	55	smoker	270 42 164 Y	typical
22	F	30	smoker	280 38 158 Y	typical
23	M	54	non	167 48 131 N	typical
24	M	79	smoker	281 34 162 Y	edge
25	F	22	non	145 67 120 N	typical
26	F	35	non	169 59 141 Y	typical
27	F	68	smoker	279 45 156 N	typical
28	M	32	non	164 67 124 N	typical
29	M	46	smoker	187 53 151 Y	typical

30	F	56	non	22042126N	typical
31	F	69	smoker	290 10 120 Y	typical
32	F	33	smoker	241 40 129 Y	typical
33	M	58	smoker	160 55 190 N	typical
34	M	61	non	200 70 135 Y	typical
35	F	70	non	150 39 140 Y	typical
36	M	59	smoker	171 52 142 Y	edge
37	M	22	non	300 48 160 N	typical
38	M	41	non	240 41 115 N 188 30 110 Y	typical
39	F	39	non		typical

40	M	50	non	190	49 140 N	typical