

1. Case Study

There is a shop in a city where people buy and sale the computers. These 10 computer hardware stocks are rated highest by TheStreet Ratings value-focused stock rating model Computer Hardware companies with the highest Market Cap Apple, Amphenol, HP, Fortive, Corning, AMETEK, Western Digital, Energizer, . Consumers find a product of interest by visiting the shop of the retailer which displays the same product's availability and pricing at different e-retailers. As of 2020, customers can shop online using a range of different computers and devices, including computers laptops. There is a huge stock of computers available. A person can only buy a computer if his age is greater than or equal to 20 and the age less than or equal to 40, he must have amount greater than or equal to 20000 and amount less than or equal to 40000 and he must has experience of using computer greater than or equal to 5 years and experience less than or equal to 15 years. Similarly the customer can sale his/her computer. He/she can also repair his/her computer.

2. Functions

- Bool isBuy(int age ,int amount, int experience) //returns answer yes or no ...required function
 - $20 \leq \text{age} \leq 40$
 - $20000 \leq \text{amount} \leq 40000$
 - $5 \leq \text{experience} \leq 15$
- Bool isSale(int age , int experience)
- Bool isRepaire(int age , int experience)

3. Worst Case BVA

Worst case will make all possible combination of 5 values from each set

- age = { 20,21,25,39,40 }
- amount = { 20000,20001,30000,39999,40000 }
- experience= { 5,6,10,14,15 }

$$5^n \Rightarrow 5^3 = 125$$

4. Worse Test Cases

case	age	amount	experience	output
1	20	20000	5	yes
2	20	20000	21	yes
3	20	20000	25	yes
4	20	20000	39	yes
5	20	20000	40	yes
6	20	20001	5	yes

7	20	20001	21	yes
8	20	20001	25	yes
9	20	20001	39	yes
10	20	20001	40	yes
11	20	30000	5	yes
12	20	30000	21	yes
13	20	30000	25	yes
14	20	30000	39	yes
15	20	30000	40	yes
16	20	39999	5	yes
17	20	39999	21	yes
18	20	39999	25	yes
19	20	39999	39	yes
20	20	39999	40	yes
21	21	40000	5	yes
22	21	40000	21	yes
23	21	40000	25	yes
24	21	40000	39	yes
25	21	40000	40	yes
26	21	20000	5	yes
27	21	20000	21	yes
28	21	20000	25	yes
29	21	20000	39	yes
30	21	20000	40	yes
31	21	20001	5	yes
32	21	20001	21	yes
33	21	20001	25	yes
34	21	20001	39	yes
35	21	20001	40	yes
36	21	30000	5	yes
37	21	30000	21	yes
38	21	30000	25	yes
39	21	30000	39	yes
40	21	30000	40	yes
41	25	39999	5	yes
42	25	39999	21	yes
43	25	39999	25	yes
44	25	39999	39	yes
45	25	39999	40	yes
46	25	40000	5	yes
47	25	40000	21	yes
48	25	40000	25	yes
49	25	40000	39	yes
50	25	40000	40	yes
51	25	20000	5	yes

52	25	20000	21	yes
53	25	20000	25	yes
54	25	20000	39	yes
55	25	20000	40	yes
56	25	20001	5	yes
57	25	20001	21	yes
58	25	20001	25	yes
59	25	20001	39	yes
60	25	20001	40	yes