

Your program will prompt the user for the following information (in this order):

1. The model year of the car up for resale — int
2. The number of accidents the car has been in — int
3. Whether the car has any premium options — bool
4. The car's original MSRP — double

↳ percentage = 0

5. Baseline Resale Percentage

Age of vehicle	
Between 0 and 4 years old (inclusive)	85%
Between 5 and 8 years old (inclusive)	63%
9 or 10 years old	45%

6. Wreck Penalty Percentage

Number of Accidents	
0 accidents	0%
1 accident	2%
2 accidents	10%
3 accidents	20%

7. Premium Percentage

Premium Options?	
Yes	5%
No	0%

$$\text{base price} = (\text{msrp} \cdot \text{percentage})$$

if (percentage == 0) {
 price = base price * (1 + wreck_penalty + premium_percentage);
 } else {
 price = base price * (1 + wreck_penalty);
 }