

Write a program to:

1. Check whether a number is ODD / EVEN.
2. Check whether a number is Armstrong or not.
3. Check whether a number is a Nelson number or not.
4. Print smallest of 3 numbers.
5. Take marks of 5 subjects out of 100 from user, calculate the percentage and print the result and percentage as per following conditions:
if per ≥ 75 ...Distinction
if per is between 74 and 60, both inclusive...I Division
if per is between 59 and 40, both inclusive...II Division
otherwise Fail.
6. Print roots of quadratic equation. The conditions are:
if discriminant is > 0 , Print "Roots are real and unequal"
if discriminant is $= 0$, Print "Roots are real and equal"
Otherwise roots are imaginary.
7. To check whether a driver is insured or not. The conditions are :
If driver is male, his age ≥ 35 and if he is Married, then he is insured.
If driver is female, her age ≥ 25 and if she is Unmarried, then she is insured.
In all the other cases, the driver is uninsured.
8. To add 2 measurements. The measurements are taken in feet and inches.
(Expected input : ft1 = 6, in1 = 19
ft2 = 8, in2 = 15
ft3 = 16, in3 = 10)
9. To add 2 time values. The time is taken in hrs, mins, sec.
(Expected input : hr1 = 2, min1 = 45, sec1 = 50
hr2 = 3, min2 = 35, sec2 = 45
hr3 = 6, min3 = 21, sec3 = 35)
10. To check whether the entered character is a VOWEL, CONSONANT, DIGIT or a SYMBOL. (Nested if-else)
11. Use Nested if- else to write program no. 7.
12. To print your exact age in days, months and years.