

Assignments to practice if statement

1. A student will not be allowed to sit in exam if his/her attendance is less than 75%.
Take following input from user
Number of classes held
Number of classes attended.
And print
percentage of class attended
Is student is allowed to sit in exam or not.
2. 1. accept amount from user and find the minimum number notes required to get the amount
amount = 512

Notes: 2000, 500, 100, 50, 10, 5, 2, 1

500 - 1 note

10 - 1 note

2 - 1 coin

amount = 20550

2000 - 10 note

500 - 1 note

50 - 1 note
3. Modify the above question to allow student to sit if he/she has medical cause. Ask user if he/she has medical cause or not ('Y' or 'N') and print accordingly.
4. A school has following rules for grading system:
 - a. Below 25 - F
 - b. 25 to 45 - E
 - c. 45 to 50 - D
 - d. 50 to 60 - C
 - e. 60 to 80 - B
 - f. Above 80 - AAsk user to enter marks and print the corresponding grade.

5. Print the output of following statements

If

x = 2

y = 5

z = 0

then find values of the following expressions:

a. x == 2

b. x != 5

c. $x \neq 5 \ \&\& \ y \geq 5$

d. $z \neq 0 \ || \ x == 2$

e. $!(y < 10)$

6. Accept number from user and check whether it is divisible by 5 and 11 if divisible then display appropriate message.
7. Write a program to calculate the electricity bill (accept number of unit from user) according to the following criteria :

Unit	Price
First 100 units	no charge
Next 100 units	Rs 5 per unit
After 200 units	Rs 10 per unit

(For example if input unit is 350 than total bill amount is Rs2000)

8. Write a program to check whether the last digit of a number(entered by user) is divisible by 3 or not.
9. Write a program to check whether an years is leap year or not the year is leap if it satisfies following condition
- It the year is divisible by 100
 - If it is divisible by 100, then it should also be divisible by 400 then it is leap year
 - otherwise, all other years divisible by 4 and not divisible by 100 then it is leap year.
10. Write a program to accept the price of a bike and display the road tax and insurance to be paid according to the following criteria . also display total amount to be paid.

Cost price (in Rs)	Tax	Insurance
> 100000	15 %	20%
> 50000 and <= 100000	10%	8%
<= 50000	5%	5%