

Assignment 1

1. Write a program that takes an integer from user then print it

Example

Input 5

Output 5

2. write a program that ask the user to insert 3 numbers then print the sum

Input

Please enter first number:

5

Please enter second number

3

Please enter third number

4

Output

Summation of 3 integers is 12

3. write a program that ask the user to insert 3 integers then print the average as decimal number

Input

Please enter first number:

6

Please enter second number

4

Please enter third number

4

Output

The average = 4.66667

4. Write a program to compute the perimeter and area of a rectangle. Your code should ask the user to insert the width and the height

Input(example)

Width = 5

Height = 3

Output

The perimeter = 16

The area = 15

5. Write a program to calculate the sum of the digits of a 3-digit number.

Input : 132

Output : 6

6. Write a program to convert a given integer (in seconds) to hours, minutes and seconds.
Input seconds: 25300
Expected Output: H:M:S - 7:1:40
7. Write a program that allows the user to insert an integer then print negative if it is a negative number otherwise print positive.
Example
 Input -5
 Output negative
Example2
 Input 10
 Output positive
8. Write a program to read any digit from 1 to 5, display it as a word
ex : input: 4, output: four
9. Write a program that reads 5 numbers and sum of all odd values between them.
 - Test Data :11 17 13 12 5
 - Expected Output: Sum of all odd values: 46
10. Write a program that reads a year then check if a year is a leap year or not: a leap year is divisible by 400 or 4 only
11. take the birth year and check if he is above 18 or not
12. 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 the user to enter marks and print the corresponding grade.
13. Search for Switch Case and use it to write a program that reads an integer between 1 and 12 and print the month of the year in English.
 - Test Data :
 Insert a number between 1 to 12 to get the month name: 8
 - Expected Output: August
14. Search for ternary operator and use it to write a program that allows the user to insert integer number then Even or Odd
 - Example Input 8 Output even
 - Example 2 Input 7 Output odd

15. Write a program that take character from user then if it is vowel chars (a,e,i,o,u) then print vowel otherwise print consonant
- Example Input o Output vowel
 - Example 2 Input b Output consonant
16. Write a program that take 3 integer from user then print the max element and the min element.
- Example
Input 7 8 5
Output
max element = 8
min element = 5
 - Example2
Input 3 6 9
Output
Max element = 9
Min element = 3