

Practical 01

Program 1: WAP to take check whether the input is a leap year or not (basic leap year)

Input: 2000

Output: 2000 is a leap year

Input: 1999

Output: 1999 is not a leap year

Program 2: WAP to find max among 3 numbers.

Input : 2 3 4

Output: max number is 4

Program 3: WAP to find min among 3 numbers.

Input : 2 4 3

Output: minimum number is 2

Program 4: Write a program, in which according to the month number print the no. of days in that month (use switch case)

Input : month = 7

Output: July has 31 days

Program 5: Write a program that takes a number from 1 to 5 and prints its spelling,

if the number is greater than 5 print entered number is greater than 5

(use switch case)

Input : var4= 4

Output: four

Input : 9

Op: 9 is greater than 5

Program 6:

WAP to get 10 numbers from Users and find their sum and average.

IP: 1 2 3 4 5 6 7 8 9 10

OP :

sum is 55

Average is 55.50

Program 7:

WAP to check whether the given input is a Pythagorean triplet or not

Note: Pythagorean triplet means if given three numbers a b and c follows this pattern

$$c^2 = a^2 + b^2$$

Any side can be hypotenuse

Program 8:

Write a Program that takes the angles of a triangle from the user and print whether that triangle is valid or not.

{Note: Addition of angles of the triangle has to be 180 in order to consider it as a valid one}

Input: 30 60 70

Output: The triangle with angles 30 60 & 70 is an invalid one

Program 9: WAP to print the count of divisors of the entered num.

Ip: 16

Op: Divisors of 16 are

1

2

4

8

Program 10:

Write a program, take two characters if these characters are equal then print them as it is but if they are unequal then print their difference.

Input: va1=s var2=s

Output: va1=s var2=s

Input: va1=a var2=p

Output: The difference between a and p is 15