

Write an if-else statement that outputs the word "High" if the value of the variable score is greater than 100, and "Low" if the value of score is at most 100.

```
In [6]: value = input("Enter A Value : ")
        if int(value) > 100 :
            print("High")
        else :
            print("Low")
```

```
Enter A Value : 100
Low
```

Write a program that gets a number from user, if it is negative then display "The number is negative" otherwise, display "The number is non-negative".

```
In [5]: value = input("Enter a Number : ")
        if int(value) < 0 :
            print("The Number is negative")
        else :
            print("The Number is positive")
```

```
Enter a Number : -4
The Number is negative
```

Prompt the user for two numbers A & B, computes and displays C=A/B. If the number B is zero, displays a "division by Zero" message.

```
In [10]: A = input("Enter Number A : ")
        B = input("Enter Number B : ")

        if int(B) == 0 :
            print("Division By zero Error !")
        else :
            C = int(A) / int(B)
            print(C)
```

```
Enter Number A : 5
Enter Number B : 5
1.0
```

Input two positive numbers from user and display the maximum out of them.

```
In [15]: A = input("Enter Number A : ")
        B = input("Enter Number B : ")

        if int(A) < 0 or int(B) < 0 :
            print("Both Numbers Should Be Positive")
        else :
            if(A >= B) :
                print(A)
            else :
                print(B)
            #print(max(A,B))
```

```
Enter Number A : 5
Enter Number B : 6
6
```

Three numbers denoted by the variables A, B and C are supplied as input data. Identify and print the largest one of these numbers.

```
In [19]: A = input("Enter Number A : ")
B = input("Enter Number B : ")
C = input("Enter Number C : ")

if A > B and A > C :
    print(A)
elif B > A and B > C :
    print(B)
else :
    print(C)
#print(max(A,B,C))
```

```
Enter Number A : 5
Enter Number B : 6
Enter Number C : 4
6
```

Write a program that reads an integer and determines and prints whether it is odd or even. (Hint: First use the simple division, then introduce modulus operator)

```
In [21]: value = int(input("Enter an integer : "))
if value % 2 == 0 :
    print("Even")
else :
    print("Odd")
```

```
Enter an integer : 6
Even
```

Write a program that reads two integers (in any order) and then print either "multiple" or "not" according to whether 2nd number is multiple of the 1st one or not.

```
In [25]: A = int(input("Enter A integer : "))
B = int(input("Enter B integer : "))

if B % A == 0 :
    print("Multiple")
else :
    print("Not Multiple")
```

```
Enter A integer : 5
Enter B integer : 11
Not Multiple
```

Write a program that gives absolute of a number input by user

```
In [33]: val = int(input("Enter a number : "))
if val < 0:
    val *= -1

print(val)
```

```
Enter a number : 5
5
```

Write a program that requests an integer value representing the month of the year and gives the number of days in that month.

```
In [48]: val = int(input("Enter Month : "))
if val == 2:
    print("28")
else :
    if val < 8 :
        if val % 2 == 0:
            print("30")
        else :
            print("31")
    else :
        if val % 2 != 0:
            print("30")
        else :
            print("31")
```

```
Enter Month : 12
31
```

Write a program that reads a single digit value (0-9) and then prints the number as a literal string. For example, if input is 7, then the output should be word "seven".

```
In [66]: val = int(input("Enter Digit : "))
if val > 9 :
    print("Enter Value in between 0 -- 9 ")
else :
    array = ["Zero", "One", "Two", "Three", "Four", "Five", "Six", "Seven", "Eight", "Nine"]
    index = 0
    for st in array:
        if val == index:
            print(st)
            index += 1
```

```
Enter Digit : 0
Zero
```

Write a program that inputs a number and displays its number of digits. Assume that user will enter a positive number less than 1000.

```
In [70]: val = int(input("Enter An Integer : "))

if val >= 1000 or val < 0:
    print("Data Not Valid")

else :
    if val >= 0 and val < 10 :
        print("1")
    if val >= 10 and val < 100 :
        print("2")
    if val >= 100 and val < 999 :
        print("3")
```

```
Enter An Integer : 973
3
```