POSITIVE/NEGATIVE/ZERO

Program:

num = int(input("Enter a number:"))

if num>0:

print("The given number is positive")

elif num<0:

print("The given number is negative")

else:

print("The given number is zero")

Output:

Enter a number: 7

>>> The given number is positive

Enter a number: -7

>>> The given number is negative

READING CHARACTER FROM THE USER TO CHANGE IN TO UPPER/LOWER.

Program:

n = input("Enter a character:")

if n == n.lower():

n = n.upper()

print(n)

elif n == n.upper():

n = n.lower()

print(n)

else:

n = n.lower()

n = n.upper()

print(n)

Output:

Enter a character: rohith

>>> ROHITH

Enter a character: CSE

>>> cse

Enter a character: Python

>>> PYTHON

TOTAL SALARY WITH BONUS CALCULATION

Program:

s = int(input("Enter salary:"))

if(s > 10000):

x = s\*10/100

y = x + s

print("Your salary:",s)

print("Bonus amount:",x)

print("Total salary including bonus:",y)

elif(s <= 10000):

x = s\*12/100

y = x + s

print("Your salary:",s)

print("Bonus amount:",x)

print("Total salary including bonus:",y)

else:

print(“Invalid data”)

Output:

Enter salary:20000

Your salary: 20000

Bonus amount: 2000.0

Total salary including bonus: 22000.0

Leap year /Not

Program:

year = int(input("Enter the year:"))

if year%4==0:

if year%100==0:

if year%400==0:

print("Leap year!")

else:

print("Not a leap year!")

else:

print("Leap year!")

else:

print("Not a leap year!")

Output:

Enter the year: 2020

Leap year!

Enter the yea: 2022

Not a leap year!

Read a Character. If it is Upper Print U

Program:

char = input("Enter a character:")

if(char.isupper()):

print("U")

elif(char.islower()):

print("L")

else:

print("Invalid")

Output:

Enter a character: S

U

Enter a character: r

L

BONUS CALCULATION BASED ON GENDER

Program:

sal = int(input("Enter salary:"))

gender = input("Enter your gender:").lower()

if gender == "male":

x = sal\*10/100

y = x + sal

print("Your salary:",sal)

print("Bonus amount:",x)

print("Total salary including bonus:",y)

elif gender == "female" :

x = sal\*12/100

y = x + sal

print("Your salary:",sal)

print("Bonus amount:",x)

print("Total salary including bonus:",y)

else:

print("invalid syntax")

Output:

Enter salary: 2000000

Enter your gender: male

Your salary: 2000000

Bonus amount: 200000.0

Total salary including bonus: 2200000.0