# To find whether the number is positive or negative or zero

Source code:

#postive/negative/zero

n=int(input("Enter the number:"))

if n>0:

print("It is a positive number")

elif n<0:

print("It is a negative number")

else:

print("It is zero")

Output:

1. Enter the number: 5

It is a positive number

2. Enter the number: - 3

It is a negative number

3. Enter the number: 0

It is zero

# 

# To Calculate the salary with Bonus

Source code:

#salary and bonus

sal=int(input("Enter the Salary:"))

if 0<sal<10000:

bonus1=sal\*(10/100)

tot1=sal+bonus1

print("Bonus amount:Rs",bonus1)

print("Total Salary:Rs",tot1)

else:

bonus2=sal\*(12/100)

tot2=sal+bonus2

print("Bonus amount:Rs",bonus2)

print("Total Salary:Rs",tot2)

Output:

1.Enter the Salary:50000

Bonus amount:Rs 6000.0

Total Salary:Rs 56000.0

2.Enter the Salary:9000

Bonus amount:Rs 900.0

Total Salary:Rs 9900.0

1. To convert the character to upper-lower or lower to upper

Source code:

#upper/lower

ch=input("Enter the character:")

if ch==ch.lower():

a=ch.upper()

print(a)

elif ch==ch.upper():

b=ch.lower()

print(b)

else:

print("Please enter the character only")

Output :

1.Enter the character:A

a

2.Enter the character:a

A

3.Enter the character:Hello

Please enter the character only

4.To Check whether the year is leap year or not

Source code:

#leap year or not

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

if ((y%4==0)and(y%100!=0)or(y%400==0)):

print("Leap year")

else:

print("Not a Leap year")

Output:

1.Enter the year :2022

Not a Leap year

2.Enter the year :2020

Leap year

3.Enter the year :1900

Not a Leap year

5.To Check whether the character is upper or lower

Source code:

#To check character whether the char is upper

ch=input("Enter the Character:")

if ch>="A" and ch<="Z":

print("U")

elif ch>="a" and ch<="z":

print("L")

Output:

1.Enter the Character :A

U

2.Enter the Character: a

L

6. To Calculate the Salary with Bonus based on the Gender

Source code:

#salary and bonus

sal=int(input("Enter the Salary:"))

gender=input("Enter the gender:")

gender=gender.upper()

if gender=="MALE":

bonus1=sal\*(10/100)

tot1=sal+bonus1

print("Bonus amount:Rs",bonus1)

print("Total Salary:Rs",tot1)

elif gender=="FEMALE":

bonus2=sal\*(12/100)

tot2=sal+bonus2

print("Bonus amount:Rs",bonus2)

print("Total Salary:Rs",tot2)

Output:

Enter the Salary: 20000

Enter the gender: male

Bonus amount: Rs 2000.0

Total Salary: Rs 22000.0

Enter the Salary: 3000

Enter the gender: female

Bonus amount: Rs 3600.0

Total Salary : Rs 33600.0