#Program to switch cases of letter

Source Code:

c=input("Enter a character:")

if c== c.lower():

c = c.upper()

print(c)

elif c == c.upper():

c = c.lower()

print(c)

Output:

============== RESTART: C:/Users/test02/prak.prac/character.py ==============

Enter a character:r

R

>>>

============== RESTART: C:/Users/test02/prak.prac/character.py ==============

Enter a character:F

F

s

#Program to calculate salary with bonus

Source Code:

s=int(input("Entre the salary:"))

if s>10000:

b=s\*10/100

S=s+b

print("Your basic pay:",s)

print("Bonus provided:",b)

print("Your total slary:",S)

elif s<=10000:

b=s\*15/100

S=s+b

print("Your basic pay:",s)

print("Bonus provided:",b)

print("Your total slary:",S)

else:

print("Data not found.")

Output:

================ RESTART: C:\Users\test02\prak.prac\slary.py ================

Entre the salary:10000

Your basic pay: 10000

Bonus provided: 1500.0

Your total slary: 11500.0

================ RESTART: C:\Users\test02\prak.prac\slary.py ================

Entre the salary:20000

Your basic pay: 20000

Bonus provided: 2000.0

Your total slary: 22000.

#Program to identify if a number is zero or positive or negative.

Source Code:

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

if a>0:

print("The given number is positive.")

elif a<0:

print("The given number is negative.")

else:

print("The given number is zero.")

Output:

========= RESTART: C:\Users\test02\prak.prac\zeropositivenegative.py =========

Enter a number:4

The given number is positive.

>>>

========= RESTART: C:\Users\test02\prak.prac\zeropositivenegative.py =========

Enter a number:5

The given number is positive.

>>>

========= RESTART: C:\Users\test02\prak.prac\zeropositivenegative.py =========

Enter a number:-6

The given number is negative.

>>>

========= RESTART: C:\Users\test02\prak.prac\zeropositivenegative.py =========

Enter a number:0

The given number is zero.

#Program to print salary with bonus for male and female

Source Code:

s=int(input("Enter the slary:"))

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

if g=="male":

b=s\*10/100

S=s+b

print("Your basic pay:",s)

print("Bonus provided:",b)

print("Total salary:",S)

elif g=="female":

b=s\*12/100

S=s+b

print("Your basic pay:",s)

print("Bonus provided:",b)

print("Total salary:",S)

else:

print("error")

Output:

================ RESTART: C:/Users/test02/prak.prac/gender.py ================

Enter the slary:200000

Enter your gender:male

Your basic pay: 200000

Bonus provided: 20000.0

Total salary: 220000.0

================ RESTART: C:/Users/test02/prak.prac/gender.py ================

Enter the slary:20000

Enter your gender:female

Your basic pay: 20000

Bonus provided: 2400.0

Total salary: 22400.0

#Program to chech wether a year is Leap year /Not

Source Code:

y=int(input("Enter the year to be checked:"))

if y%4==0:

print("It is a leap year.")

elif y%100==0:

print("It is not a leap year.")

elif y%400==0:

print("It is a leap year.")

else:

print("It is not a leap year.")

Output:

Enter the year to be checked:2020

It is a leap year.

#Program to check if a character is upper or lower

Source Code:

char=input("Enter the character:")

if (char.isupper()):

print("U")

elif (char.islower()):

print("L")

else:

print("Invalid input.")

Output:

============== RESTART: C:\Users\test02\prak.prac\upperlower.py ==============

Enter the character:l

L

============== RESTART: C:\Users\test02\prak.prac\upperlower.py ==============

Enter the character:U

U

============== RESTART: C:\Users\test02\prak.prac\upperlower.py ==============

Enter the character:7

Invalid input.