Expt no: 3

**a)FINDING POSITIVE, NEGATIVE, ZERO NUMBER**

**INPUT:**

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

if(n>0):

print("It is a positive number")

elif(n<0):

print("It is a negative number")

elif(n==0):

print("It is zero")

**OUTPUT:**

Enter a number:4

It is a positive number

>>>

Enter a number:0

It is zero

>>>

Enter a number:-8

It is a negative number

**b)CHANGING UPPERCASE AND LOWERCASE**

**INPUT:**

a=input("Enter character: ")

if(a>="A" and a<="Z"):

print(a.lower())

elif(a>="a" and a<="z"):

print(a.upper())

else:

print("Enter a valid input")

**OUTPUT:**

Enter character: python

PYTHON

>>>

Enter character: INTERPRETER

interpreter

**c)SALARY CALCULATION**

|  |  |
| --- | --- |
| salary | Bonus |
| >10000 | 10% |
| <10000 | 12% |
|  |  |

**INPUT:**

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

if(sal>=10000):

Bonus=sal\*0.1

elif(sal<10000):

Bonus=sal\*0.12

Tot\_Salary=sal+Bonus

print("Salary:",sal)

print("Bonus:",Bonus)

print("Net Salary:",Tot\_Salary)

**OUTPUT:**

Enter your salary:11500

Salary: 11500

Bonus: 1150.0

Net Salary: 12650.0

**d)LEAP YEAR OR NOT**

**INPUT:**

n=int(input("Enter a year:"))

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

print("It is a leap year")

else:

print("It is not a leap year")

**OUTPUT:**

Enter a year:1900

It is not a leap year

>>>

Enter a year:2020

It is a leap year

**e)CHECKING UPPER CASE, LOWER CASE**

**INPUT:**

a=input("Enter a character: ")

if(a>="A" and a<="Z"):

print("U")

elif(a>="a" and a<="z"):

print("L")

else:

print("Enter a valid input")

**OUTPUT:**

Enter a character: a

L

>>>

Enter a character: A

U

**f)SALARY BONUS BASED ON GENDER**

|  |  |
| --- | --- |
| Gender | Bonus |
| M | 10% |
| F | 12% |
|  |  |

**INPUT:**

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

Gen=input("Enter Gender(M or F):")

if(Gen=="M"):

Bonus=sal\*0.10

elif(Gen=="F"):

Bonus=sal\*0.12

tot=sal+Bonus

print("Salary:",sal)

print("Bonus:",Bonus)

print("Tot\_Salary is:",tot)

**OUTPUT:**

Enter Salary:12000

Enter Gender(M or F):M

Salary: 12000

Bonus: 1200.0

Tot\_Salary is: 13200.0

>>>

Enter Salary:13000

Enter Gender(M or F):F

Salary: 13000

Bonus: 1560.0

Tot\_Salary is: 14560.0