Expt no:3(a)

Date:04.01.2023

1. **CHECK THE NUMBER POSITIVE OR NEGATIVE OR ZERO**

**Program:**

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

if(num>0):

print(num,"is a postive number")

elif(num<0):

print(num,"is a negative number")

else:

print(num,"is a zero")

**Output:**

Enter number:-6

-6 is a negative number

>>>

2.Read a character from the user AND change into upper/lower

**Program:**

ch=input("enter a charater:")

if(ch>='A'and ch<='Z'):

print(ch.lower())

elif(ch>='a'and ch<='z'):

print(ch.upper())

**Output:**

enter a charater:a

A

>>>

**3.BONUS CALCULATION BASED ON SALARY**

**Program:**

sal\_amount=int(input("enter salary amount:"))

if(sal\_amount>10000):

bonus=sal\_amount\*(10/100)

total\_salary=sal\_amount+bonus

print("salary",sal\_amount)

print("bonus:",bonus)

print("total salary of person",total\_salary)

elif(sal\_amount<10000):

bonus=sal\_amount\*(12/100)

total\_salary=sal\_amount+bonus

print("salary",sal\_amount)

print("bonus:",bonus)

print("total salary of person",total\_salary)

**Output:**

enter salary amount:6000

salary 6000

bonus: 720.0

total salary of person 6720.0

>>>

**4.CHECK LEAP YEAR OR NOT**

**Program:**

y=int(input("enter year;"))

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

print(y,"is leap year")

else:

print(y,"is leap year")

**Output:**

enter year;2000

1. leap year

>>>

1. **5.READ A CHARACTER IF IT IS UPPER PRINT U**

**Program:**

ch=input("enter a charater:")

if(ch>='A'and ch<='Z'):

ch='U'

print(ch)

elif(ch>='a'and ch<='b'):

ch='L'

print(ch)

**Output:**

enter a charater:A

U

>>>

**6.BONUS CALCULATION BASED ON GENDER**

**Program:**

gender=input("enter gender:")

sal\_amount=int(input("enter salary:"))

if(gender=='M'):

bonus=sal\_amount\*(10/100)

total\_salary=sal\_amount+bonus

print("salary:",sal\_amount)

print("bonus:",bonus)

print("total salary:",total\_salary)

elif(gender=='F'):

bonus=sal\_amount\*(12/100)

total\_salary=sal\_amount+bonus

print("salary:",sal\_amount)

print("bonus:",bonus)

print("total salary of:",total\_salary)

**Output:**

enter gender:M

enter salary:10000

salary: 10000

bonus: 1000.0

total salary: 11000.0

>>>