Group 2

1.POSITIVE/NEGATIVE/ZERO

PROGRAM:

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

if(n>0):

print(n,"is a positive number")

elif(n<0):

print(n,"is a negative number")

else:

print("The given number is 0")

**output:**

Enter a number:6

6 is a positive number

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

**PROGRAM:**

ch=input("Enter a character:")

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

print("The given character is in Upper case")

s=ch.lower()

print("The given character is changed to lower case",s)

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

print("The given character is in Lower case")

s=ch.upper()

print("The given character is changed to upper case",s)

else:

print("Enter valid character")

**OUTPUT:**

Enter a character:A

The given character is in Upper case

The given character is changed to lower case a

>>>

3. total salary with Bonus calculation and print salary , bonus and total amount

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

**PROGRAM:**

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

if(salary>10000):

bonus=salary\*10/100

total=salary+bonus

else:

bonus=salary\*12/100

total=salary+bonus

print("The salary is",salary)

print("The bonus is ", bonus)

print("The total is ",total)

**output**:

Enter salary54367

The salary is 54367

The bonus is 5436.7

The total is 59803.7

>>>

Group 3

1.LEAP YEAR OR NOT

**PROGRAM:**

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

if(year%4==0 and year%100!=0):

print(year,"is a leap year")

elif(year%100==0):

print(year,"is not a leap year")

elif(year%400==0):

print(year,"is a leap year")

else:

print(year,"is not a leap year")

**OUTPUT:**

Enter Year:2023

2023 is not a leap year

>>>

2. READ A CHARACTER IF IT IS UPPER PRINT U OR IF IT IS LOWER PRINT L

ch=input("Enter a character:")

if(ch.isupper()):

print("U")

elif(ch.islower()):

print("L")

else:

print("Enter valid character")

**output:**

Enter a character:y

L

>>>

3. **total salary with Bonus calculation and print salary , bonus and total amount**

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

**Program:**

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

gender=input("Enter gender:")

if(gender=='m'):

bonus=salary\*10/100

total=salary+bonus

else:

bonus=salary\*12/100

total=salary+bonus

print("The salary is",salary)

print("The bonus is ", bonus)

print("The total is ",total)

**Output**:

Enter salary8675

Enter gender:f

The salary is 8675

The bonus is 1041.0

The total is 9716.0

>>>