1.#leap year or not

year=int(input("enter the year:"))

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

print(year,"is leap year")

else:

print(year,"is not leap year")

OUTPUT:

enter the year:20000

20000 is leap year

2.#READ A CHARACTER IF IT IS UPPER PRINT U

ch=input("enter a character")

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

ch='U'

print(ch)

else:

print("not valid")

>>>

OUTPUT:

========

enter a characterA

U

>>>

3.#SALARY BONUS

g=input("enter the gender")

salary=int(input("enter the salary:"))

if(g=="male"):

bonus=0.10\*salary

print("bonus is:",bonus,"total salary is:",salary+bonus)

else:

bonus=0.12\*salary

print("bonus is:",bonus,"total salary:",salary+bonus)

OUTPUT:

enter the genderFEMALE

enter the salary:20000

bonus is: 2400.0 total salary: 22400.0

>>>

4.#BIGGEST VALUE OF 3 NUMBERS

n1=int(input("enter a number:"))

n2=int(input("enter a number:"))

n3=int(input("enter a number:"))

if(n1>n2)and(n1>n3):

print("n1 is greater")

elif(n2>n1)and(n2>n3):

print("n2 is greater")

else:

print("n3 is greater")

OUTPUT:

enter a number:5

enter a number:4

enter a number:3

n1 is greater

>>>

5.#ODD OR EVEN

num=int(input("enter a number:"))

if(num%2==0):

print("even number")

else:

print("odd number")

OUTPUT:

enter a number:4

even number

6.#STUDENTS GRADE ANALYSIS

m1=int(input("enter m1"))

m2=int(input("enter m2"))

avg=(m1+m2)/2

if(avg>=80 and avg<90):

print("A")

elif(avg>=70 and avg<80):

print("B+")

elif(avg>=60 and avg<70):

print("B")

elif(avg>=50 and avg<60):

print("C")

else:

print("fail")

OUTPUT:

enter m180

enter m270

B+