

Expriment-3

Program:

```
#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 a leap year")
```

```
else:
```

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

Output:

```
enter the year:2000
```

```
2000 is a leap year
```

```
>>>
```

Program:

```
#Read a character if it is uppercase print U
```

```
ch=input("Enter a charater:")
```

```
if(ch>="A" and ch<="Z"):
```

```
    ch="U"
```

```
    print(ch)
```

```
else:
```

```
    print("not valid")
```

Output:

Enter a charater:A

U

>>>

Program:

```
#total salary with bonus
```

```
s=int(input("enter your salary"))
```

```
gender=input("enter your gender")
```

```
if(gender=="male"):
```

```
    bonus=s*0.1
```

```
    print("bonus is:",bonus,"/n","total salary is:",s+bonus)
```

```
else:
```

```
    bonus=s*0.12
```

```
    print("bonus is:",bonus,"/n","total salary",s+bonus)
```

Output:

enter your salary20000

enter your gendermale

bonus is: 2000.0

total salary is: 22000.0

>>>

Program:

```
#bigger of 3 number
```

```
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:3
```

```
enter a number:4
```

```
enter a number:6
```

```
n3 is greater
```

```
>>>
```

Program:

```
#odd or even
```

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

```
if(num%2)==0:
```

```
    print("even number")
```

else:

```
    print("odd number")
```

Output:

enter a number:66

even number

>>>

Program:

```
#student mark analysis
m1=int(input("enter m1:"))
m2=int(input("enter m2:"))
avg=(m1+m2)/2
if(avg>=90):
    print("O")
elif(avg>=80 and avg<90):
    print("A+")
elif(avg>=70 and avg<80):
    print("A")
elif(avg>=60 and avg<70):
    print("B+")
elif(avg>=50 and avg<60):
    print("B")
```

else:

```
    print("U")
```

Output:

enter m1:90

enter m2:88

A+

>>>