

## 1.ODD/EVEN

```
e=int(input("enter the number to be checked:"))  
if(e%2==0):  
    print("the given number is even")  
else:  
    print("the given number is odd")
```

## OUTPUT

```
enter the number to be checked:768  
the given number is even
```

## 2.STUDENT GRADE ANALYSIS

```
m1=int(input("enter m1:"))  
m2=int(input("enter m2:"))  
avg=(m1+m2)/2  
if(avg>=90):  
    print("o grade")  
elif(avg>=80 and avg<=90):  
    print("A+ grade")  
elif(avg>=70 and avg<=80):  
    print("A grade")  
elif(avg>=60 and avg<=70):  
    print("B+ grade")  
elif(avg>=50 and avg<=60):  
    print("B grade")  
else:  
    print("U grade")
```

## **OUTPUT**

enter m1:90

enter m2:92

o grade

## **3.READ A CHARACTER AND CHECK GIVEN CHARACTER IS ALPHABET,NUMBER,SPACE**

```
ch=input("enter a char:")
if(ch.isalpha()):
    print("you entered alphabet")
elif(ch.isdigit()):
    print("you entered digit")
elif(ch.isspace()):
    print("you entered space")
else:
    print("enter valid input")
```

## **OUTPUT**

1.enter a char:5

you entered digit

2.enter a char:A

you entered alphabet

## **4.POSITIVE/NEGATIVE/ZERO**

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

```
if(n>0):  
    print("Positive number")  
elif(n<0):  
    print("negative number")  
else:
```

## OUTPUT

```
1.enter a char:A  
you entered alphabet  
2. enter a number:-2  
negative number
```

## 5.READ A CHARACTER FROM THE USER.CHANGE INTO UPPER/LOWER

```
ch=input("enter a char:")  
if(ch>="A" and ch<="Z"):  
    ch="U"  
    print(ch)  
elif(ch>="a" and ch<="z"):  
    ch="L"  
    print(ch)
```

## OUTPUT

```
enter a char:A  
U
```

## **6.TOTAL SALARY WITH BONUS CALCULATION AND PRINT SALARY,BONUS AND TOTAL AMOUNT**

```
G=input("enter the gender:")
sal=int(input("enter the salary:"))
if(G=="male"):
    bonus=0.10*sal
    print("bonus is:",bonus,"\n","total salary is:",sal+bonus)
else:
    bonus=0.12*sal
    print("bonus is:",bonus,"\n","total salary is:",sal+bonus)
```

## **OUTPUT**

```
enter the gender:male
enter the salary:45000
bonus is: 4500.0
total salary is: 49500.0
```