In [1]:
```
a=int(input("Value : "))

if (a)==0:
    print("The Given Value is 'ZERO'")
elif (a)>0:
    print("The Given Value is 'POSITIVE'")
else:
    print("The Given Value is 'NEGATIVE'")

if(a%2==0):
    print("The Given Value is 'EVEN'")
elif(a%2!=0):
    print("The Given Value is 'ODD'")

if (a)>=65 and (a)<=90:
    print("The Given ASCII Value is 'UPPER_CASE'")
elif (a)>=97 and (a)<=122:
    print("The Given ASCII Value is 'LOWER_CASE'")
```

```
Value : 9
The Given Value is 'POSITIVE'
The Given Value is 'ODD'
```

In [2]:
```
a=int(input("Value : "))

if (a)==0:
    print("The Given Value is 'ZERO'")
elif (a)>0:
    print("The Given Value is 'POSITIVE'")
else:
    print("The Given Value is 'NEGATIVE'")

if(a%2==0):
    print("The Given Value is 'EVEN'")
elif(a%2!=0):
    print("The Given Value is 'ODD'")

if (a)>=65 and (a)<=90:
    print("The Given ASCII Value is 'UPPER_CASE'")
elif (a)>=97 and (a)<=122:
    print("The Given ASCII Value is 'LOWER_CASE'")
```

```
Value : 99
The Given Value is 'POSITIVE'
The Given Value is 'ODD'
The Given ASCII Value is 'LOWER_CASE'
```

In [ ]:
```

```

In [1]:
```
n=input("Name: ")
m1=int(input("1st Mark: "))
m2=int(input("2nd Mark: "))
m3=int(input("3rd Mark: "))
tm=m1+m2+m3
avg=tm/3
print()

print("Total=",tm)
print("Average=",avg)

if(avg>80):
    print("Congratulations ",n," you secured ",tm," and your class is I")
elif(avg>=60) and (avg<=80):
    print("Congratulations ",n," you secured ",tm," and your class is II")
elif(avg>40) and (avg<60):
    print("Congratulations ",n," you secured ",tm," and your class is pass")
else:
    print("you got Fail Mark")
```

```
Name: Asha
1st Mark: 92
2nd Mark: 89
3rd Mark: 78

Total= 259
Average= 86.33333333333333
Congratulations  Asha  you secured  259  and your class is I
```

In [2]:
```
n=input("Name: ")
m1=int(input("1st Mark: "))
m2=int(input("2nd Mark: "))
m3=int(input("3rd Mark: "))
tm=m1+m2+m3
avg=tm/3
print()

print("Total=",tm)
print("Average=",avg)

if(avg>80):
    print("Congratulations ",n," you secured ",tm," and your class is I")
elif(avg>=60) and (avg<=80):
    print("Congratulations ",n," you secured ",tm," and your class is II")
elif(avg>40) and (avg<60):
    print("Congratulations ",n," you secured ",tm," and your class is pass")
else:
    print("you got Fail Mark")
```

```
Name: Kumar
1st Mark: 66
2nd Mark: 61
3rd Mark: 55

Total= 182
Average= 60.666666666666664
Congratulations  Kumar  you secured  182  and your class is II
```

In [ ]:

In [1]:
```
x1=(11+31+23+8+7+5)/((1-(1/2)-(1/20)))
print('x1 = ',x1)
x2=(((10*8)+8-((7//5)%(5**4)))&3)|(2<<1)
print('x2 = ',x2)
```

```
x1 =  188.88888888888889
x2 =  7
```

In [ ]:
```

```

In [1]:
```
n=input("Name : ")
s=int(input("Basic Salary : "))
t=0
if(s<150000):
  t=s*0
elif(s>150000) and (s<300000):
  t=(s/100)*20
elif(s>300000):
  t=(s/100)*30
print("Name : ",n)
print("Annual Income for ",n," is : ",s*12)
print("Tax for",n," is : ",t)
```

```
Name : Asha
Basic Salary : 250000
Name :  Asha
Annual Income for  Asha  is :  3000000
Tax for Asha  is :  50000.0
```

In [ ]:

In [4]:
```
l=int(input("Length : "))
b=int(input("Breadth : "))
a=l*b
p=2*(l+b)
print()
print("Length : ",l)
print("Breath : ",b)

print()
print("Area of the Retangle : ",a)
print("Perimeter of the Retangle : ",p)
```

```
Length : 15
Breadth : 7

Length :  15
Breath :  7

Area of the Retangle :  105
Perimeter of the Retangle :  44
```

In [ ]:
```

```

In [1]:
```
p1=int(input("Product 1 price : "))
q1=int(input('Quantity of Product 1 : '))
p2=int(input("Product 2 price : "))
q2=int(input('Quantity of Product 2 : '))
p3=int(input("Product 3 price : "))
q3=int(input('Quantity of Product 3 : '))
d=0

at=(p1*q1)+(p2*q2)+(p3*q3)

if at>2000:
    d=at*0.2
elif (at>=1500) and (at<=1999):
    d=at*0.15
elif (at>=1000) and (at<=1499):
    d=at*0.08

f=at-d

print()
print('\t','\t','\t',"BILLING DETAILS...")
print()
print("Price Of Product 1",'\t',p1,'\t',"Quantity",'\t',q1,'\t\t',"Total Price:",'\t',
print("Price Of Product 2",'\t',p2,'\t',"Quantity",'\t',q2,'\t\t',"Total Price:",'\t',
print("Price Of Product 3",'\t',p3,'\t',"Quantity",'\t',q3,'\t\t',"Total Price:",'\t',
print()
print("Total Amount : ",at)
print("Discount Amount : ",d)
print()
print("Final Amount : ",f)
```

```
Product 1 price : 200
Quantity of Product 1 : 5
Product 2 price : 450
Quantity of Product 2 : 2
Product 3 price : 100
Quantity of Product 3 : 4

                        BILLING DETAILS...

Price Of Product 1      200     Quantity        5               Total Price:    1000
Price Of Product 2      450     Quantity        2               Total Price:    900
Price Of Product 3      100     Quantity        4               Total Price:    400

Total Amount :  2300
Discount Amount :  460.0

Final Amount :  1840.0
```

In [ ]: