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Run Code

In [12]:
```
def demo():
    print("this is python function")
demo()
demo()
```

```
this is python function
this is python function
```

In [15]:
```
    def add():
        a=7
        b=9.7
        sum=a+b
        print("sum of",a,"and",b,"is:",sum)
    add()
```

```
sum of 7 and 9.7 is: 16.7
```

In [20]:
```
def fun(dog):
```

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Run Code

```
sum of 7 and 9.7 is: 16.7
```

In [20]:

```
def fun(des):
    print("designation is:",des)
fun('clerk')

def fun(name):
    return name
name=fun('xyz')
print("name is",name)
```

```
designation is: clerk
name is xyz
```

In [24]:

```
def emp():
    name='miller'
    email='abc@gmail.com'
    contact=8371912018
    return (name,email,contact)
name,email,contact=emp()
print("employee name is:",name)
print("employee email is:",email)
print("employee contact is:",contact)
```

```
employee name is: miller
employee email is: abc@gmail.com
employee contact is: 8371912018
```

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Run Code

In [28]:
```
def mul(a=8,b=15):
    print("multiplication is",a*b)
    print("division is",a/b)
mul(17,4)
mul()
```

```
multiplication is 68
division is 4.25
multiplication is 120
division is 0.5333333333333333
```

In [34]:
```
def mod(a,b):
    print("modulo of",a,"and",b,"is:",a%b)
mod(a=2,b=5)
```

```
modulo of 2 and 5 is: 2
```

In [35]:
```
def demo():
    x=10
```

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Run Code

In [35]:
```
def demo():
    x=10
    print("value inside function is",x)

y=15
demo()
print("value outside function is",y)
```

```
value inside function is 10
value outside function is 15
```

In [41]:
```
x=20
y=30
print("x+y is",x+y)
print("x-y is",x-y)
print("x*y is",x*y)
print("x/y is",x/y)
print("x%y is",x%y)
```

```
x+y is 50
x-y is -10
x*y is 600
x/y is 0.6666666666666666
x%y is 20
```

In [42]:
```
x=27
```

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Run Code

In [42]:
```
x=27
y=53
print("x>y:",x>y)
print("x<y:",x<y)
print("x==y:",x==y)
print("x!=y:",x!=y)
print("x<=y:",x<=y)
print("x>=y:",x>=y)
```

```
x>y: False
x<y: True
x==y: False
x!=y: True
x<=y: True
x>=y: False
```

In [44]:
```
ch=input("enter any alphabet:")
if(ch=='a' or ch=='e' or ch=='i' or ch=='o' or ch=='u' or
   ch=='A' or ch=='E' or ch=='I' or ch=='O' or ch=='U'):
    print(ch,'is vowel')

else:
    print(ch,'is consonant')
```

```
enter any alphabet:u
u is vowel
```

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Run Code

In [50]:
```
e=['apple','mango','banana','cherry','gavava']
print("apple" in e)
print('orange' in e)
print('banana' not in e)
print('goat' not in e)
```

```
True
False
False
True
```

In [52]:
```
x=45
y=75
print(x is y)
print(y is not x)
```

```
False
True
```

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