In [1]:
```
def arsh():
    pass
arsh()
```

In [8]:
```
def abc():
    print("Hi!")
    return("Hi! How are you?")
abc()
```

```
Hi!
```

Out[8]:
```
'Hi! How are you?'
```

In [9]:
```
v=abc()
```

```
Hi!
```

In [10]:
```
v
```

Out[10]:
```
'Hi! How are you?'
```

In [12]:
```
def efg():
    print("This print is before return.")
    return "I will retun this first."
    print("This print is after return.")
efg()
```

```
This print is before return.
```

Out[12]:
```
'I will retun this first.'
```

In [14]:
```
#Parameters
def add():
    a=2
    h=14
    return str(a+h)
add()
```

Out[14]: '16'

In [18]:
```
def add2():
    a=int(input("a="))
    h=int(input("h="))
    return str(a+h)
add2()
```

```
a=2
h=14
```

Out[18]: '16'

In [30]:
```
def add3(a, h):
    return a+h
add3(2, 14)
```

Out[30]: 16

In [32]:
```
add3("Arsh", "Saxena")
```

Out[32]: 'ArshSaxena'

In [46]:
```
def add4(a, h):
    """
    This function helps us to add datatype.
    a: Give same datatype values for a and b.
    b: Give same datatype values for a and b.
    """
    print("Value of a:", a)
    print("Value of h:", h)
    return a+h
add4?
```

In [45]:
```
add4(2, 14)
```

```
Value of a: 2
Value of b: 14
```

Out[45]: 16

In [47]:
```
add4(h=2, a=14)
```

```
Value of a: 14
Value of h: 2
```

Out[47]: 16

In [56]:
```
def super_add(*args):
    print (type(args))
    add=0
    for i in args:
        add+=i
    return add
```

In [57]:
```
super_add(2, 14, 16, 9, 30, 13, 15, 14, 3)
```

```
<class 'tuple'>
```

Out[57]: 116

In [59]:
```
def arsh(a=2, h=14):
    return a+h
arsh()
```

Out[59]:
```
16
```

In [60]:
```
arsh(a=2004, h=1996)
```

Out[60]:
```
4000
```

In [65]:
```
def interesting(a, b, c=30, d=40):
    return a+b+c+d
interesting(10, 20)
```

Out[65]:
```
100
```

In [67]:
```
def totte(a=30, b=40):
    return a, b
totte()
```

Out[67]:
```
(30, 40)
```

In [70]:
```
d={"keys": "values"}
```

In [74]:
```
def totte(**kwargs):
    print (type(kwargs))
    return kwargs
totte(a=2, h=14)
```

```
<class 'dict'>
```

Out[74]:
```
{'a': 2, 'h': 14}
```

In [75]:
```
def totte(**arsh):
    print (type(arsh))
    return arsh
totte(a=2, h=14)
```

```
<class 'dict'>
```

Out[75]:
```
{'a': 2, 'h': 14}
```

In [76]:
```
len("Hi! I am Arsh Saxena.")
```

Out[76]:
```
21
```

In [80]:
```
def new_len(s):
    """
    This is our personal length function.
    s: It is should be iterable and I will tell the length.
    """
    l=0
    for i in s:
        l+=1
    return l
new_len("Hi! I am Arsh Saxena.")
```

Out[80]:
```
21
```

In [79]:
```
new_len?
```

In [90]:
```
def sum_prod(a, b):
    choice=input()
    if choice=="sum":
        return a+b
    elif choice=="prod":
        return a*b
    else:
        return "Please enter a valid choice."
sum_prod(14, 2)
```

```
sum
```

Out[90]:
```
16
```