In [1]:
```
def scream():
    print('Hello World')
scream()
```

```
Hello World
```

In [2]:
```
def square(num):
    out = num**2
    return(out)
```

In [3]:
```
sq_3 = square(3)
print(sq_3)
```

```
9
```

In [4]:
```
def square(num):
    out = num**2
    print(out)
```

In [8]:
```
q = square(4)
print("Q is " + str(q))
```

```
16
Q is None
```

In [13]:
```
def factorial(n):
    if n>1:
        return n*factorial(n-1)
    else:
        return n

fact = factorial(5)
print(fact)
```

```
120
```

In [14]:
```
def addition(*args):
    print(args)
    return(sum(args))
```

In [15]:
```
print(addition(4,5,6,7,8,9))
print(addition(1,2))
```

```
(4, 5, 6, 7, 8, 9)
39
(1, 2)
3
```

In [16]:
```
def proper(some_text):
    some_text = some_text.strip()
    some_text = " ".join([word[0].upper() + word[1:] for word in some_text.spl
it()])
    return some_text

captain = proper("mahendra singh dhoni")
print(captain)
```

```
Mahendra Singh Dhoni
```

In [17]:
```
string_to_list = lambda x: x.split()
print(string_to_list(captain))
print(type(string_to_list))
```

```
['Mahendra', 'Singh', 'Dhoni']
<class 'function'>
```

In [18]:
```
product = lambda x, y : x*y
print(product(3,4))
```

```
12
```

In [9]:
```
def say(message, times = 1):
    print(message * times)

say('Hello')
say('World', 5)
```

```
Hello
WorldWorldWorldWorldWorld
```

In [12]:
```
min = (lambda x, y: x if x < y else y)
min(101*99, 102*98)
```

Out[12]:
```
9996
```