In [ ]:
```
# functions
"""
functions arguments // parameters// value syply to function to oprand

syntax :
def function_name(vale1,val2):
    statements.......

(val1,val2) : input value

"""
```

In [4]:
```
#with argument/parameter   // with parameter no return
def add(x,y):
    c=x+y
    return c;                 # // with paramter with return
    print("add",c)
a=int(input("Enter a frist number"))
b=int(input("Enter a secount number "))

add(a,b)
```

```
Enter a frist number2
Enter a secount number 4
add 6
```

In [6]:
```
#without argument
def add():
    a=int(input("Enter a frist number"))
    b=int(input("Enter a secount number "))
    c=a+b
    print(c)


add()
```

```
Enter a frist number2
Enter a secount number 4
6
```

In [4]:
```
#with argument odd enven program
def odd_even(a):

    if(a%2==0):
        print("Even")
    else:
        print("odd")

x=int(input("Enter a number "))
odd_even(x)
```

```
Enter a number 4
Even
```

In [5]:
```
#withought argument odd enven program
def odd_even():
    x=int(input("Enter a number "))
    if x%2==0:
        print("even number ")
    else:
        print("odd")
odd_even()
```

```
Enter a number 3
odd
```

In [ ]:
```
"""
function conditions

1. no argument no return
2. with parameter no return
3. no parameter with return
4. with parameter with return

"""
```

In [6]:
```
#1. no argument no return
def odd_even():
    x=int(input("Enter a number "))
    if x%2==0:
        print("even number ")
    else:
        print("odd")
odd_even()
```

```
Enter a number 3
odd
```

In [ ]:
```
#with argument/parameter   // with parameter no return
def add(x,y):
    c=x+y
    return c;                 # // with paramter with return
    print("add",c)
a=int(input("Enter a frist number"))
b=int(input("Enter a secount number "))

add(a,b)
```

In [ ]:
```
#default arguments :
"""
def add(a,b,c):
    stetements....
    statement....
add(2,3,4)

eg.

def add(a,b=9,c=5):
    statement.....

add(5,6)

"""
```

In [8]:
```
## function arguments
def add(a,b=10):

    c=a+b;
    print(c)

add(4,24)
```

```
28
```

In [ ]:
```
#Break statement
"""
terminate
"""
```

In [10]:
```
i=1
while i<=5:
    if (i==3):
        break
    print(i)

    i=i+1
```

```
1
2
```

In [*]:
```
i=1
while i<=5:
    if (i==3):
        continue
print(i)

i=i+1
```

In [ ]:
```

```