

# Python STYLE

straight vs function

# TIPS

Your programs should have one statement per line.

Do not put functions inside other statements

This help debugging the program.

Example:

Ok, later on

```
xx = int(input("enter a integer"))
```

For now:

```
xx = input('Enter a number')
```

```
xxn = int(xx)
```

example

OK

```
print('Number is: ', double(x))
```

Better

```
y= double(x)
```

```
print('Number is: ", y)
```

The Python interpreter works:

1. scanning source code for syntax errors.
2. Identifying and building the functions\*
3. Find in position 1,  
the first executable line of code

Execution of the program starts at that point

\* functions, classes, etc




```
x = 1
if x == 1:
    print("x is 1.")
else:
    print("x not 1")
```

```
def main():  
    x = 1  
    if x == 1:  
        print("x is 1.")  
    else:  
        print("x not 1")  
    return  
main()
```



```
def changeme( mylist ):  
    mylist.append([1,2,3,4]);  
    print "Values inside the function: ", mylist  
    return  
→ mylist = [10,20,30];  
   changeme( mylist );  
   print "Values outside the function: ", mylist
```





```
# Program add two numbers
# Take input from the user
num1 = int(input("Enter first number: "))
num2 = int(input("Enter second number: "))
# add two numbers
def add(x, y):
    return x + y
print(num1,"+",num2,"=", add(num1,num2))
```

```
# Program add two numbers
```

```
def add(x, y):
```

```
    return x + y
```

```
# Take input from the user
```




```
num1 = int(input("Enter first number: "))
```

```
num2 = int(input("Enter second number: "))
```

```
# add two numbers
```

```
print(num1,"+",num2,"=", add(num1,num2))
```

```
# Program add two numbers
def add(x, y):
    return x + y
# Take input from the user
def main():
    num1 = int(input("Enter first number: "))
    num2 = int(input("Enter second number: "))
    # add two numbers
    print(num1,"+",num2,"=", add(num1,num2))
    return
main()
```



```
# Program add two numbers
```

```
def add(x, y):
```

```
    t = x + y
```

```
    return t
```

```
# Take input from the user
```

```
def main():
```

```
    num1 = int(input("Enter first number: "))
```

```
    num2 = int(input("Enter second number: "))
```

```
    # add two numbers
```

```
    t = add(num1,num2)
```

```
    print(num1,"+",num2,"=", t)
```

```
    return
```



```
main()
```

```
def main():
```

```
    return  
    main()
```

done