**Class and Object Variable Process - Getter and Setter**

1.. Write a program to generate the getter and setter method for the variables defined in the class

class **Test**:

def **get\_a**(*self*):

return *self*.\_\_a

def **get\_b**(*self*):

return *self*.\_\_b

def **set\_a**(*self*, value):

*self*.\_\_a = value

def **set\_b**(*self*, value):

*self*.\_\_b = value

def **del\_a**(*self*):

del *self*.\_\_a

def **del\_b**(*self*):

del *self*.\_\_b

a=10

b=12

pass

ob=Test()

2. Create a variable for the object created for the class and display its content.

class Test:

def **get\_a**(*self*):

return *self*.\_\_a

def **get\_b**(*self*):

return *self*.\_\_b

def **set\_a**(*self*, value):

*self*.\_\_a = value

def **set\_b**(*self*, value):

*self*.\_\_b = value

def **display0**(*self*):

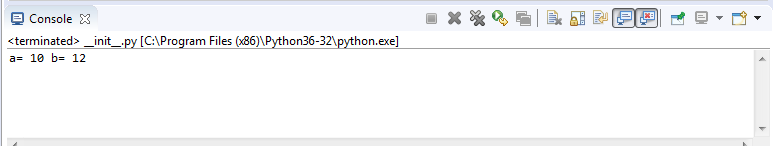
print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b)

ob=Test()

ob.set\_a(10)

ob.set\_b(12)

ob.display0()



3. Delete the object created for the class.

class **Test**:

def **get\_a**(*self*):

return *self*.\_\_a

def **get\_b**(*self*):

return *self*.\_\_b

def **set\_a**(*self*, value):

*self*.\_\_a = value

def **set\_b**(*self*, value):

*self*.\_\_b = value

def **display1**(*self*):

print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b)

def **del\_a**(*self*):

del *self*.\_\_a

def **del\_b**(*self*):

del *self*.\_\_b

def **display**(*self*):

print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b)

ob=Test()

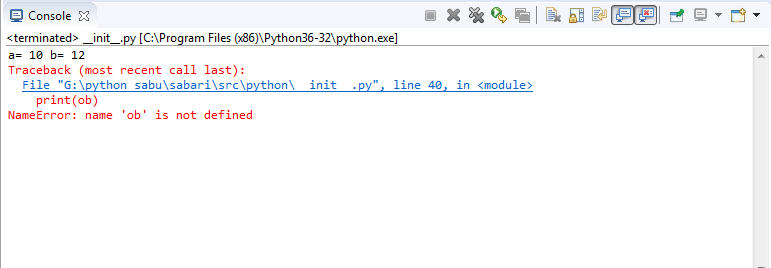
ob.set\_a(10)

ob.set\_b(12)

ob.display1()

del ob

print(ob)



4. Delete the particular variable created for the object

class **Test**:

def **get\_a**(*self*):

return *self*.\_\_a

def **get\_b**(*self*):

return *self*.\_\_b

def **set\_a**(*self*, value):

*self*.\_\_a = value

def **set\_b**(*self*, value):

*self*.\_\_b = value

def **display1**(*self*):

print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b,*"Extra-C="*,*self*.c)

def **del\_a**(*self*):

del *self*.\_\_a

def **del\_b**(*self*):

del *self*.\_\_b

def **display**(*self*):

print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b)

ob=Test()

ob.set\_a(10)

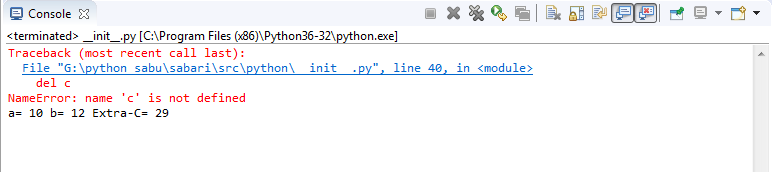
ob.set\_b(12)

ob.c=29

ob.display1()

del c

ob.display()



5. Write a program to generate the getter,setter and delete method for the variables defined in the class

**class Test:**

**def get\_a(*self*):**

**return *self*.\_\_a**

**def get\_b(*self*):**

**return *self*.\_\_b**

**def set\_a(*self*, value):**

***self*.\_\_a = value**

**def set\_b(*self*, value):**

***self*.\_\_b = value**

**def display1(*self*):**

**print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b)**

**def del\_a(*self*):**

**del *self*.\_\_a**

**def del\_b(*self*):**

**del *self*.\_\_b**

**def display(*self*):**

**print(*"a="*,*self*.\_\_a,*"b="*,*self*.\_\_b)**

**ob=Test()**

**ob.set\_a(10)**

**ob.set\_b(12)**

**ob.display()**

**ob.del\_b()**

**ob.display()**

