

Full stack web development using python

Name mangling



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Agenda

- ① Data Hiding
- ② Hidden Variables
- ③ Name Mangling

Data Hiding

There is no concept of access specifiers
in Python (like C++ or Java)

Hidden Variables

Variables prefix with two underscores will not be directly visible outside the class.

class Test :

```
x=5      #visible static variable  
__h=10    # invisible static variable  
def __init__(self):  
    self.__a=100   # invisible instance  
                  # variable
```

These variables are hidden variables

Name Mangling

You can access hidden variables from inside the class.

You cannot access hidden variables directly from outside the class

To access hidden variables from outside the class, write _classname__hiddenvar, that is use prefix _classname

This is called Name mangling.

```
class Test:  
    x=5      # visible static variable  
    __h=10   # invisible static variable  
  
    def __init__(self):  
        self.__a=100   # invisible instance  
                        # variable  
  
    print(Test.__h)  
t1=Test()  
print(t1.__a)
```