

Self-Test

Identify the class and instance variables (fields) and methods in the following code:

```
class Bobo:
    a = 3
    b = "Born Bobo"
    def __init__(self, c):
        self.c = c
    def sing():
        print(10*"Bobo")
    def __str__(self):
        return "Bobo {}".format(self.c)
    def stringy(self):
        return Bobo.b
```

Create a Bobo object. Access all class and instance variables.

Solution:

a and b are class variables.

c is an instance variable.

__init__ is an instance method.

sing is a class method

__str__ is an instance method

stringy is an instance method.

```
bob.py: BoboStringy.py
>>> Bobo.b
'Born Bobo'
>>> a=Bobo(1)
>>> print(a)
Bobo 1
>>> Bobo.a
3
>>> a.stringy
<bound method Bobo.stringy of <__main__.Bobo object at 0x110679d30>>
>>> a.stringy()
'Born Bobo'
>>> Bobo.sing()
BoboBoboBoboBoboBoboBoboBoboBoboBoboBoboBobo
>>>
```