

Exercise 3

- Modify the starting code (below):
 - Jamie and Stacey will become each other's best friends (via a 'myBestie' attribute).
 - After this is done display Stacey's name and the name of her bestie.
 - What will appear are the names entered by the user.

```
class Person:
    def __init__(self):
        self.name = "No name"

def start():
    stacey = Person()
    jamie = Person()
    jamie.name = input("name: ")
    stacey.name = input("name: ")
```

James Tam

Solution

```
class Person:
    def __init__(self):
        self.name = "No name"
        self.myBestie = self

    def makeBesties(self, bestie):
        self.myBestie = bestie
        bestie.myBestie = self

def start():
    stacey = Person()
    jamie = Person()
    jamie.name = input("name: ")
    stacey.name = input("name: ")

    stacey.makeBesties(jamie)
    print("%s, %s" %(stacey.name, stacey.myBestie.name))
```

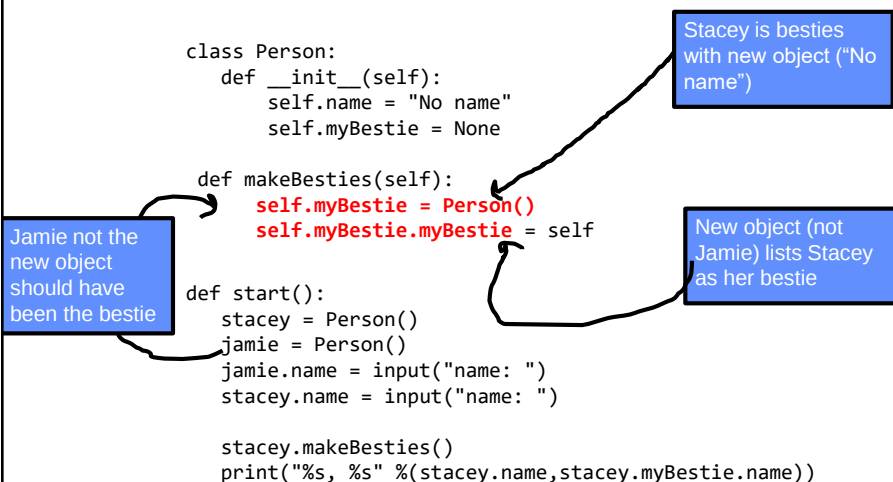
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Errors

- The previous errors shown in other examples may be made in student solutions:
- The `self` reference:
 - Omitting it inside of the class methods.
 - Prefacing accessing to attributes and methods outside of the class methods.
- Local references (in this example they are in `start` but in a real program they could be local to any function or method):
 - Not declaring references before accessing attributes or methods.
 - Not prefacing access to attributes or methods with the name of the reference outside of the class methods.

James Tam

New Error: **Wrong (New) Object Is The Bestie**



James Tam

New Error: Wrong Object's Attribute Set

```
class Person:
    def __init__(self):
        self.name = "No name"
        self.myBestie = None

    def makeBesties(self):
        self.myBestie = Person()
        self.myBestie = self

def start():
    stacey = Person()
    jamie = Person()
    jamie.name = input("name: ")
    stacey.name = input("name: ")

    stacey.makeBesties()
    print("%s, %s" %(stacey.name, stacey.myBestie.name))
```

- Assigns to Stacey's 'myBestie' attribute not her best friend's
- 'myBestie' attribute.
- That is, Stacey is now her own best friend.

James Tam