

### Don't forget self, Part 2 (Q)

```
s1 = Student("xy1234", [], "History")
s2 = Student("ab132", [], "Math")
s1.enroll("AEM 2400", 4)
```

- What happens?
- A) Error
  - B) Nothing, self is not needed
  - C) creates new local variable n\_credit
  - D) creates new instance variable n\_credit
  - E) creates new Class attribute n\_credit

# if you forget self

```
class Student:
    def __init__(self, netID, courses, major):
        self.netID = netID
        self.courses = courses
        self.major = major
        # < rest of constructor goes here >

    def enroll(self, name, n):
        if selfn_credit + n > Student.max_credit:
            print("Sorry your schedule is full!")
        else:
            self.courses.append((name, n))
            self.n_credit = self.n_credit + n
            print("Welcome to "+ name)
```

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### Don't forget self, Part 2 (A)

```
s1 = Student("xy1234", [], "History")
s2 = Student("ab132", [], "Math")
s1.enroll("AEM 2400", 4)
```

- What happens?
- A) Error
  - B) Nothing, self is not needed
  - C) creates new local variable n\_credit
  - D) creates new instance variable n\_credit
  - E) creates new Class attribute n\_credit

# if you forget self

**NameError: global name 'n\_credit' is not defined**

```
class Student:
    def __init__(self, netID, courses, major):
        self.netID = netID
        self.courses = courses
        self.major = major
        # < rest of constructor goes here >

    def enroll(self, name, n):
        if selfn_credit + n > Student.max_credit:
            print("Sorry your schedule is full!")
        else:
            self.courses.append((name, n))
            self.n_credit = self.n_credit + n
            print("Welcome to "+ name)
```

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### What gets Printed? (Q)

```
import college

s1 = college.Student("j1200", [], "Art")
print(s1.max_credit)
s2 = college.Student("j1202", [], "History")
print(s2.max_credit)
s2.max_credit = 23
print(s1.max_credit)
print(s2.max_credit)
print(college.Student.max_credit)
```

- |    |    |
|----|----|
| A: | B: |
| 22 | 22 |
| 22 | 22 |
| 23 | 23 |
| 23 | 23 |
| 23 | 22 |
- |    |    |
|----|----|
| C: | D: |
| 22 | 22 |
| 22 | 22 |
| 22 | 22 |
| 23 | 23 |
| 22 | 23 |

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### What gets Printed? (A)

```
import college

s1 = college.Student("j1200", [], "Art")
print(s1.max_credit)
s2 = college.Student("j1202", [], "History")
print(s2.max_credit)
s2.max_credit = 23
print(s1.max_credit)
print(s2.max_credit)
print(college.Student.max_credit)
```

- |    |    |
|----|----|
| A: | B: |
| 22 | 22 |
| 22 | 22 |
| 23 | 23 |
| 23 | 23 |
| 23 | 22 |
- |    |    |
|----|----|
| C: | D: |
| 22 | 22 |
| 22 | 22 |
| 22 | 22 |
| 23 | 23 |
| 22 | 23 |

CORRECT

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