COMP110

Revisiting Commonly Missed Quiz Concepts

Announcements

Assignments:

- *Optional* EX (Linked List Utility Functions) due tonight
- CQ07: Quiz Corrections due tomorrow (April 22)
- RD assignment released today; due Friday at 11:59pm

Evaluate: **6 / 3 + 9 // 2 + (21 % 2)**

Concept from Quiz 02:

What will be printed?

```
1 | word: list[str] = ["E", "m", "u"]

1 | def grab(val: list[str]) -> str:
2 |   i: int = 1
3 |   while i < len(val):
4 |     return val[i]
5 |     i += 1
6 |
7 | print(grab(word))
```

Concept from Quiz 03:

Question 2: Looping Short Answer Consider the following dictionary and set. For each code sample below, write the corresponding output. Separate lines of output can be separated by a comma. If the code would raise an error, please write "error."

```
1 vend: dict[str,str] = {"A1":"Oreos", "A2":"Lays", "B1":"Coke", "B2":"7up"}
2 flavors: set[str] = {"Orange", "Cherry", "Lime"}
```

2.1. What will be printed?

```
1 for prod in vend:
2   print(prod)
```

2.2. What will be printed?

```
1 for prod in vend:
2   print(vend[prod])
```

2.3. What will be printed?

```
1 for flav in flavors:
2   print(flav)
```

2.4. What will be printed?

```
1 if "Berry" in flavors:
2   print("Available!")
3 else:
4   print("Out...")
```

2.5. What will be printed?

```
1 def buy(vm: dict[str,str])->str:
2   for thing in vm:
3     return thing
4   return "Other"
5
6 print(buy(vm=vend))
```

Concept from Quiz 04:

```python
class Concert:
    artist: str
    seats: dict[str, bool]

    def __init__(self, a: str, s: dict[str, bool]):
        self.artist = a
        self.seats = s

    def assign_seats(self, wanted_seats: list[str], name: str) -> None:
        for seat in wanted_seats:
            if seat in self.seats:
                available: bool = self.seats[seat]
                if available:
                    print(f"{name} bought seat {seat} to see {self.artist}!")
                    self.seats[seat] = False
                else:
                    print(f"Seat {seat} is unavailable :(")

lenovo_seats: dict[str, bool] = {"K1": True, "K2": True, "K3": False}
show: Concert = Concert(a = "Travisty", s = lenovo_seats)
show.assign_seats(wanted_seats = ["K2", "K3"], name = "Kay")
```