

CSC148 Worksheet 4 Solution

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Question 1

```
1 class User:
2     ...
3
4     def __init__(self, userid: str, bio: str) -> None:
5         """Initialize a new user with the given id and bio.
6         The new user initially has no tweets.
7         """
8
9         self.userid = userid
10        self.bio = bio
11        self.tweets = []
```

Question 2

```
1 class User:
2     ...
3
4     def tweet(self, message: str) -> None:
5         """Record that this User made a tweet with the given content.
6         Use date.today() to get the current date for the newly-created
7         tweet.
8         """
9
10        # 1. create a tweet with message
11        tweet = Tweet(self.userid, date.today(), message)
12
13        # 2. store tweet in tweets attribute
14        self.tweets.extend(tweet)
```

Question 3

```
1 """
2 user = User('hyungmo', 'corgi')
3 user.follow('sunshine')
4 """
```

Correct Solution:

```
1      """
2      >>>moe = User('hyungmo','corgi')
3      >>>sunshine = User('sunshine','warm, kind and beautiful')
4      >>>moe.follow(sunshine)
5      """
6
```

Question 4

```
1      class User:
2          ...
3
4          def follow(self, who: User) -> None:
5              """Record that the user follows another user with a given
6              userid.
7
8              >>>moe = User('hyungmo','corgi')
9              >>>sunshine = User('sunshine','warm, kind and beautiful')
10             >>>moe.follow(sunshine)
11             """
```