Week 6 Quiz
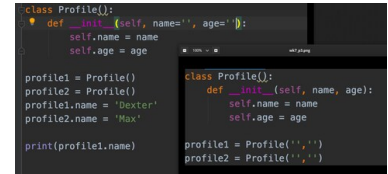
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8 Questions

</div>

1. In the two instances of init pictured here, do they have any difference?

119/158 (A) Yes

39/158 (B) No

2. If a request made using the *urlopen* function has a response with an HTTP header status code of 200, what does it mean?

105/158 (A) The request was successful.

32/158 (B) The request was successful, but the resource is not authorized to be returned.

9/158 (C) The request was unsuccessful because the resource does not exist.

12/158 (D) The request was unsuccessful because the server was unable to respond.

> ⓘ It's 200, OK? All 200 status codes indicate a successful operation.

3. Generally, which of the following conditions might require the use of a Request object?

4/158 (A) An Web API rejects a request using a URL and the urlopen function.

1/158 (B) A program needs to make a POST request using HTTP.

9/158 (C) A program needs to make a GET request using HTTP and a specific encoding.

106/158 (D) All of the above.
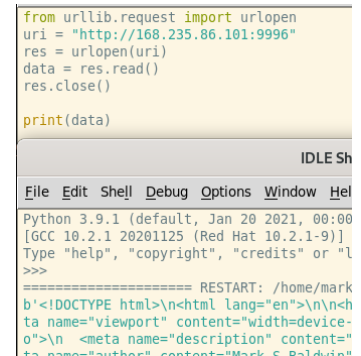
38/158 (E) Only A and B.

4. When the following code runs, why does shell output display a 'b' at the beginning of the line?

10/159 (A) To indicate that the operation is complete.

118/159 (B) To indicate that the output is of type bytes.

18/159 (C) To indicate that the output is of type object.

13/159 (D) To indicate that the operation is still buffering.

5. Which of the following operations describes the process for converting a urlopen response from bytes to str?

34/157   **A**   encode

101/157   **B**   decode

8/157   **C**   cast

14/157   **D**   conversion

```
from urllib.request import urlopen
uri = "http://168.235.86.101:9996"
res = urlopen(uri)
data = res.read()
res.close()

print(data)
```

IDLE Sh

File Edit Shell Debug Options Window Hel

```
Python 3.9.1 (default, Jan 20 2021, 00:00
[GCC 10.2.1 20201125 (Red Hat 10.2.1-9)]
Type "help", "copyright", "credits" or "l
>>>
==================== RESTART: /home/mark
b'<!DOCTYPE html>\n<html lang="en">\n\n<h
ta name="viewport" content="width=device-
o">\n  <meta name="description" content="
ta name="author" content="Mark S Baldwin"
```

> **i**   for example, data.decode(encoding = 'utf-8')

6. Which of the following object oriented programming concepts describes a class that derives itself from another class?

7/158   **A**   Composition

16/158   **B**   Encapsulation

116/158   **C**   Inheritance

5/158   **D**   Polymorphism

14/158   **E**   Abstraction

7. Method overriding is a feature that enables which of the following?

32/156   **A**   Create a derived class specific implementation of a superclass method.

22/156   **B**   Replace all of the overriding method's functionality from a superclass.

7/156   **C**   Removes all instances of a method from a class.

95/156   **D**   All of the above

8. In what circumstances would you need to use the super() class function?

5/159   **A**   To establish a connection between two classes.

10/159   **B**   To call the parent method in a method override.

1/159   **C**   To ensure that a method is functioning properly.

7/159   **D**   To access the attributes of a super class.

89/159   **E**   B and D

47/159   **F**   All of the above.