Simple Code Questions

1. Login to MyProgrammingLab

URL: myprogramminglab.com
Username:
Password:

2. How to create Simple Code Questions on MyProgrammingLab

[Link to Help Documentation.](#)

Vendor to login to myprogramminglab using the username and password created for them, and create C++, Java, and Python questions mentioned below.

3. C++ Sample Question (Level of difficulty: Simple)

(Question number 0002) Create the following C++ question.

Question: Write a cout statement that displays "One Two Three".
Answer: cout << "One Two Three";

4. Java Sample Question (Level of difficulty: Simple)

(Question number 00212) Create the following Java question.

Question:

The following statement attempts to create a **Rectangle** object by calling a no-arg constructor, but there

is an error. Correct this issue by rewriting the statement.

Rectangle box = new Rectangle;

Answer:

Rectangle box = new Rectangle();

5. C++/Java Sample Question (Level of difficulty: Hard)

(Question number 00282) Create the following Java question. Hint: The end user doesn't see what is the underlying code. As long as public static void myName() is accepted as the answer, it is fine. So, if you aren't able to code this in Java, you could code it in C++.

Question:

The void method **myName** displays a name.

17 _____ myName()

18 {

19   System.out.println("Mary Catherine Jones");

20 }

What should line number 17 be? The method is **public** and **static**.

Answer: public static void myName()

6. C++/Java Sample Question (Level of difficulty: Hard)

(Question number 00295) Create the following Java question. Hint: The end user doesn't see what is the underlying code. As long as if(Character.toUpperCase(choice) == 'Y') is accepted as the answer, it is fine. So, if you aren't able to code this in Java, you could code it in C++.

Question:

The following if statement determines whether **choice** is equal to 'Y' or 'y':

if (choice == 'Y' || choice == 'y')

Rewrite this statement so it makes only one comparison and does not use the || operator.

(Hint: Use either the **toUpperCase** or **toLowerCase** method.)

Answer: if(Character.toUpperCase(choice) == 'Y')

7. Python Sample Question (Level of difficulty: Moderate)

(Question number 00353) Create the following Python question.

Question:

The code below asks the user "Do you want to repeat the program or quit? (R/Q)". A loop should repeat until the user has entered an R or Q (either uppercase or lowercase). Replace the second line with the appropriate **while** statement.

```
again = input('Do you want to repeat ' + 'the program or quit? (R/Q) ')
# What goes here?
        again = input('Do you want to repeat the ' + 'program or quit? (R/Q) ')
```

Answer:

```
while again.upper() != 'R' and again.upper() != 'Q':
```

Accessible Animation Request for Sample

Here is a sample fully accessible animation:

Create an animation for the following piece of Python code using the similar UX and format. You will have to come up with the variables, explanation, and output. Accessibility needs to work on Android TalkBack and iOS VoiceOver

Python Animation 7-7 Source Code:

```
1
# This program calculates the gross pay for
 2
# each of Megan's baristas.
 3

 4
# NUM_EMPLOYEES is used as a constant for the
 5
# size of the list.
 6
NUM_EMPLOYEES = 6
 7

 8
def main():
 9
# Create a list to hold employee hours.
10
hours = [0] * NUM_EMPLOYEES
11

12
# Get each employee's hours worked.
13
for index in range(NUM_EMPLOYEES):
14
print('Enter the hours worked by employee ', \
15
      index + 1, ': ', sep='', end='')
16
hours[index] = float(input())
17

18
```

```python
# Get the hourly pay rate.
pay_rate = float(input('Enter the hourly pay rate: '))


# Display each employee's gross pay.
for index in range(NUM_EMPLOYEES):
    gross_pay = hours[index] * pay_rate
    print('Gross pay for employee ', index + 1, ': $', \
          format(gross_pay, ',.2f'), sep='')


# Call the main function.
main()
```