

CS 161 Quiz Four

Name: _____

Multiple choice questions are 2-1/2 points each.

D__1) Which of the following declares an array to store the names of five departments?

- A deptName = [5]
- B deptName = [0] * 5
- C deptName = ["None"]
- D deptName = ["name"] * 5

B__2) Which **for** header would work for traversing the array in question 1?

- A for x in range [deptName]
- B for x in range (5)
- C for x in range (4)
- D for x in range (deptName)

3) Write **for** header that traverses the list for question two that does not rely on the **range** function. (2 points) **for x in [0, 1, 2, 3, 4]:** or **for name in deptName:**

Refer to this declaration for question 4:

```
thing = [ "t", "h", "i", "n", "g" ]
```

B__4) What is the value of thing [1]?

- A "t"
- B "h"
- C "i"
- D "thing"

```
def someFunction ( a ):
    a [ 0 ] = "L"
    a [ 2 ] = "U"

def main():
    someArray = ["M", "O", "O", "S", "E" ]
    someFunction (someArray)
    for i in range ( 5 ):
        print someArray [ i ],
    print

main ( )
```

C__5) What would the preceding program output?

- A) M O O S E
- B) M O U S E
- C) L O U S E
- D) Nothing—it doesn't pass the right value

- 6) Write a variable declaration for each of the following. 1 point each.
- A) Store the number of tickets sold for each movie at a six-screen cinema.

ticketsSold = [0] * 6

- B) Store the amount of money taken in during each day of a two-week sale.

salesAmt = [0.0] * 14

- C) Store the high temperature for each day of the year (whole number only).

dailyHigh = [0] * 366

- 7) Show the exact output of this code fragment
(3 points):

```
a = [ 0 ] * 10
for index in range ( 10 ):
    a [ index ] = index * 3; # stores 0, 3, 6, 9, etc

for index in range ( 10 ):
    print a [ index ],
print
```

0 3 6 9 12 15 18 21 24 27

- 8) To output only the even indexed values in the array in the code fragment above, what change would we need to make in the code? (2 points)

for index in range (0, 10, 2):

OR

for index in [0. 2. 4. 6. 8]:

OR

print a [0], a[2], a[4], a[6], a[8]:

OR

for index in range(10):

if index % 2 ==0:

print a [index]