Quiz 5

1. Arguments to functions always appear within _____.

A. parentheses
B. quotation marks
C. curly braces
D. brackets

Answer: A

2. Does the program below cause errors?

```
import math
def main():
    math.sin(pi)

main()
```

Answer: YES.

3. A function _____.

A. must have at least one parameter
B. must always have a return statement to return a value
C. must always have a return statement to return multiple values
D. may have no parameters

Answer: D

4. The header of a function consists of _____.

A. function name and parameter list
B. function name
C. parameter list

Answer: A

5. Given the following function, what will be displayed by the call nPrint('a', 4)?

```
def nPrint(message, n):
    while n > 0:
        print(message, end = '')
    n -= 1
```

A. aaa
B. infinite loop
C. aaaaa
D. aaaa

E. invalid call

Answer: B

6. Given the following function, what will be displayed by the call nPrint(n=4, message='a')?

```
def nPrint(message, n):
    while n > 0:
        print(message, end = '')
        n -= 1
```

A. aaaa
B. aaaaa
C. infinite loop
D. aaa
E. invalid call

Answer: A

7. Does following code have errors? If yes, what is the error and how to correct it?

```
def function(x):
     print(x)
     x = 4.5
function(3)
print(x)
```

Answer: Yes. x inside function differs from the x outside of function. To use x in the print statement outside of function, we need to define that x first.

8. Write a function header for the following task and indicate whether the function should return a value:

Obtain the number of days for a month, given the month and year.

[Note: choose any function name and parameter name you like]

A) function header (hint: def name (parameter list)) _____Blank #1_____

B) whether the function should return a value? (Yes or NO). _____Blank #2____

Answer:
#1) def getDays(month,year)
#2) Yes

9. Assume function f is defined below. Which choice below is INCORRECT function calls.

```
def f(p1, p2, p3):
     return p1=p2+p3
```

A. f(p1, p2=1, p3=2)
B. f(1, 2, 3)
C. f(p1=1, p2, p3)
D. f(p1, p2, p3=1)

Answer: C