1. Which of the following does not contain a function call?
   A type(4.5)  
   B area(2,9)  
   C def add_one(x):
               return x+1  
   D print("Hello")  
   E None of the above, all contain function calls  
   F I don't know

   Answer: C  
   def ... is a function definition, not a function call or invocation

2. Which of the following does not contain a function call?
   A type(4.5)  
   B area(2,9)  
   C def add_one(x):
               return x+1  
   D print("Hello")  
   E None of the above, all contain function calls  
   F I don't know

3. What is the output of this code?

   w = 0
   def calculate(w, x, y):
       a = x
       b = w + 1
       return a + b + 3
   calculate(3, 2, 0)

   Answer: D  
   When calculate is invoked w, x, y are assigned 3, 2, and 0 respectively. In the function body, a and b are assigned 2 and 4 respectively. Thus the return value is 2 + 4 +3 or 9.
4. What is the output of this code?

```python
w = 0

def calculate(w, x, y):
a = x
b = w + 1
return a + b + 3

calculate(3, 2, 0)
```

- A 3
- B 5
- C 6
- D 9
- E I don't know

5. What are the bugs in the following code?

```python
def add_one(x):
    return x + 1

x = 2
x = x + add_one(x)
```

- A No bugs.
- B The function body is not indented
- C We are using x as a parameter and a variable, but we are not allowed to do that
- D Both B and C are bugs
- E I don't know

Answer: B

Function bodies must be consistently indented. Recall function parameters are only defined within the function body and can have the same name as other variables.

6. What are the bugs in the following code?

```python
def add_one(x):
    return x + 1

x = 2
x = x + add_one(x)
```

- A No bugs.
- B The function body is not indented
- C We are using x as a parameter and a variable, but we are not allowed to do that
- D Both B and C are bugs
- E I don't know