Exercise 1:

Study the program below and write the questions and answers in MS word and save it as exercise4.docx.

```
1   x = 5
2   y = 6
3   z = 33
4
5   def f(x):
6       y = 9
7       print(x + y + z)
8
9   print(x + y + z)
10  f(12)
11  print(x + y + z)
12  pass
```

1. What is the output of the program?

44

55

44

2. Which line contains a function header?

Line 5

3. Which line(s) constitute the main program?

Line 5, Line 6 , Line 7

4. Is there a local variable defined anywhere? If so what is its scope?

y is the local variable and its scope is the body of function f.

5. Does the function f return a value?

No

6. Does the function f reference any global variables?

Yes

7. Which lines constitute a function body?

Line 6 and Line 7

8. Are there any arguments used in the program? If so what and where are they? (tricky)

Yes, 12 is an argument because its being assigned as a value to the parameter x in line 10.

9. Are there any parameters defined in the program? Explain.

Yes x is defined as a parameter in function f because it's a variable to store value of an argument

10. What does the last line do?

Acts as a place holder for future code.