1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

\*expression

'hello' STRING

-87.8 integer

- expression

/ expression

+ expression

6 integer

2. What is the difference between string and variable?

Variable can store values string can not.

3. Describe three different data types.

String, integer, Boolean

4. What is an expression made up of? What do all expressions do?

a)An expression is made up of mathematical operators like +, -, /, \*, \*\* etc.

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

a) If you can print it, or assign it to a variable, it’s an **expression**. If you can’t, it’s a **statement**.

Below are expressions and these can be printed

1. c) 2 + 2
2. 3 \* 7
3. 1 + 2 + 3 \* (8 \*\* 9) - sqrt(4.0)
4. min(2, 22)
5. max(3, 94)
6. round(81.5)
7. "foo"
8. "bar"
9. "foo" + "bar"
10. None
11. True
12. False
13. 2
14. if CONDITION:
15. elif CONDITION:
16. else:
17. for VARIABLE in SEQUENCE:
18. while CONDITION:
19. try:
20. except EXCEPTION as e:
21. class MYCLASS:
22. def MYFUNCTION():
23. return SOMETHING
24. raise SOMETHING
25. with SOMETHING:

above are conditions that can not be printed.

b) In expression you will always get a value but in statement, it is not necessary that a statements results in a value.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

answer :- 22

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

Answer “spamspamspam”

8. Why is eggs a valid variable name while 100 is invalid?

Ans:- because an integer can not be made a variable to store values

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

Int,str,float

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

Ans :- “99”