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.

\*

'hello'

-87.8

-

/

6

Answers: values are as follow : ‘hello’ , -87.8,6 Expressions : \* , - , / ,+

2. What is the difference between string and variable?

Ans: Variable is memory block to store, and string represents text. String is data type.

3. Describe three different data types.

Integer, float, Boolean

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

Answer: Expression is made of operators, constant and variables.

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

Answer: Expressions can be assigned or used as operands, while statements can only be declared.

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

bacon = 22

bacon + 1

answer: 23

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

'spam' + 'spamspam’ answer : spamspamspam

'spam' \* 3 answer: spamspamspam

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

Answer: Because variable name cannot start with number

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

Answer: int(), float(), string()

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

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

Answer: because 99 is integer and rest of sentence is in string. If we want concatenate, then we should write 99 in terms of “99” string

Correct line will be: 'I have eaten ' + "99" + ' burritos.'