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

Ans:- Operstions:- +, / , -, \*,

Values:- ‘hello’ , -87.8, 6

2. What is the difference between string and variable?

Ans:- A Variable is a store of information, and a String is a type of information you would store in a Variable

3. Describe three different data types.

Ans:- Integers, floating-point numbers, and strings.

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

Ans:- An expression is a combination of values and operators. All expressions evaluate (that is, reduce) to a single value.

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

Ans:- Expression is made up of values, containers, and mathematical operators and the statement is just like a command.

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

bacon = 22

bacon + 1

Ans:- 23

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

'spam' + 'spamspam'

'spam' \* 3

Ans:- 'spamspamspam'

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

Ans:- Why Because, variable names cannot begin with a number.

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

Ans:- integer = int() , ex:- b = int(16)

floating-point number = float() , ex:- f = float (12.89)

String = str( ), ex:- a = str(“Prasad”)

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

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

Ans:- The expression causes an error because 99 is an integer, and only strings can be concatenated to other strings with the + operator. The correct way is **' I have eaten ' + str(99) + ' burritos. ' .**