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.

ANS.

\* **(expression)**

'hello'**(string value)**

-87.8**(integer value)**

-

/ **(expression)**

* **(expression)**

6 **(integer expression)**

2. What is the difference between string and variable?

**Ans2**. String is a type of the data type that contain characters eg “and45”, where the variable stores the data of different types.eg f=45, so the value of the “f” is 45.

3. Describe three different data types.

**Ans3.**

1 Integer:- This data type have only the numerical value in it.

2 String:- This data type has the character in it.

3 Bool:- This data type is only consider true or false/ yes or no

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

**Ans4**. The expression is made up of operators and the operands that is interpreted to produce some other value.

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

**Ans5**. The expression is intended to deliver a output having some operator and operands, but the statement is something which assigned and executable by the interpreter.

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

bacon = 22

bacon + 1

**Ans6**. 23

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

'spam' + 'spamspam'

'spam' \* 3

**Ans7.**

**1.** Spamspamspam

**2**. spamspamspam

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

**Ans8**. Eggs is not a reserve keyword and also a string perfect to use as a variable, where the 100 is an integer value and reserved so we cannot use it.

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

**Ans9**.(int , float, str)

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

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

**Ans10**.Here the user typing to append the integer value with the string value which is not possible so, the solution is 'I have eaten ' + ‘99’ + ' burritos.'