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: Values=’hello’,-87.8,6.

Expression=\* - / +

2. What is the difference between string and variable?

ANS: A **string is a value representing text.**

**A variable is a name that can refer to any value.**

3. Describe three different data types.

ANS: Numeric, Boolean, Data collection.

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

ANS: **An expression is a combination of operators and operands that is interpreted to produce some other value. In any programming language, an expression is evaluated as per the precedence of its operators.**

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

ANS: **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

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: **Because we can’t start giving variable an integer.**

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

ANS: for loop, if else condition

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

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

ANS: This cause error because**99 is not a string**, correct way is: 'I have eaten ' + str (99) + 'burritos'