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 : ‘hello’ Is string / -87.8 & 6 is integer / - & / & + & \* are mathematical operators.**

2. What is the difference between string and variable?

**ANS:**

**A=”how r u”**

**A= variable**

**String = ‘ how r u’**

3. Describe three different data types.

**Ans” integer / string/ boolean**

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

**Ans: expression is a value. Exprression represents the value of a string**

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

**Ans: expression is part of the program m where as statement is like print command, result value**

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' for both**

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

**int(0)**

**str(100)**

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

**str() - to covert to string**

**int() - to covert to integer**

**float() - to convert to float**

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

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

**Ans: 'I have eaten ' + '99' + ' burritos.'**