**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.**

**\* :** Multiplication

**'hello' :** String

-**87.8 :**Float

**- :** Subtraction

**/ :** Division

**+ :** Addition

**6 :** Integer

**2. What is the difference between string and variable?**

**Ans**. Variable is used to store some sort of value in it and String is data type that we store in a variable.

**3. Describe three different data types.**

**Ans.** String: e.g. names, places, countries etc.

Integer: numbers like 1, 2, 3, 4 all are integers

Float: Decimal Numbers like 1.23, 4.34

Boolean: True, False

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

**Ans.** Expression are made up of values and operators and by combining them we get a single value.

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

**Ans.** Expression is a combination of values and operators and by their combination we get results where statement is standalone unit of execution and doesn’t return anything.

**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' :** ‘spamspamspam’

**'spam' \* 3:** ‘spamspamspam’

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

Because variable names are not start with integers.

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

**Ans.**

int()

float()

string()

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

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

Ans. This function cause error because we can’t add strings and integer together. To fix this we first convert integer to string then add them

For e.g. - 'I have eaten ' + ‘99’ + ' burritos.'