**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:**

**The values are**

**1. Integer → -87.8 and 6**

**2. String → ‘hello’**

**The Expressions are**

**1. \* , -, / and +**

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

**Ans :**

**The string is a set of character whereas the variable is a container which is used to store the values such a integer, character, string, float etc.**

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

**Ans:**

**The three main different data types are**

**1. integer**

**2. float**

**3. string**

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

**Ans:**

**The expression is a combination of operator and operands.**

**EG:**

**b=10**

**x=x+1**

**print(x) -->11**

**It evaluates to a single value**

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

**Statement I**

**The expression evaluates to a single value.**

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

**bacon = 22**

**bacon + 1**

**Ans:**

**Here the bacon contains 22 only. Because bacon + 1 is no assign to bacon.**

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

**'spam' + 'spamspam'**

**'spam' \* 3**

**Ans:**

**1. ‘spam’ + ‘spamspam’ ==> spamspamspam**

**2. ‘spam’ \* 3 ==> spamspamspam**

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

**Ans:**

**The eggs is a valid variable because variable name can starts with**

**alphabet or \_**

**The 100 is an invalid variable because variable name does not starts with number**

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

**Ans:**

**1. int()**

**2. float()**

**3. str()**

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

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

**Ans:**

**Because the strings and number cannot be printed. We can fix that by converting int 99 into string**

**Eg:**

**‘I have eaten, + str(99) + ‘burritos’**