**PYTHON BASIC ASSIGNMENT 1**

**Q.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.**

**Answer:**

**Values = ‘hello’ , -87.8 , 6**

**Expression = \* , -, / , +**

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

**Answer:**

**String : -**

**It is a basically a data type in python . We can write string in single, double as well as In triple quotes**

**Eg. “this is my first assignment “**

**Variable : -**

**It act as a container in which we store data as value . variable is the name given to a memory location**

**for e.g; Name= “ ABCD” here name act as a variable**

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

**Answer : Three type of data type are:**

**Integer : it consist of positive and negative number e.g, a= 15**

**String : it consist of characters enclosed in quotes for e.g, a = “hello”**

**Floating point number: it consist of decimals number for e.g, a =15.74**

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

**Answer : an expression is made up of two things i.e, operator and operands for e.g,**

**10x+ 20 , y = 5\*5 , etc.**

**They basically perform arithmetic calculation**

**Q.5. This assignment statements, like spam = 10. What is the difference between an**

**expression and a statement?**

**Answer: Expression produce some values after interpretation while statement is used to create a variable in python,**

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

**bacon = 22**

**bacon + 1**

**Answer : 23**

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

**Answer :**

**‘spam’ + ‘spamspam’ o/p is ‘spamspamspam’**

**‘spam’ \* 3 o/p is ‘spamspamspam’**

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

**Answer: because variable name can not start from any number.**

**Q. 9. What three functions can be used to get the integer, floating-point number, or string**

**version of a value?**

**Answer : int() , float() , str() .**

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

**‘I have eaten’ + 99 + ‘burritos.’**

**Answer:**

The expression causes an error because 99 is an int type, and only string can be concatenated to other strings with the + operator.

We firstly change int into string to concatenate all three term

The correct method is : ‘I have eaten ' + str(99) + ' burritos’ .