**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': value

-87.8: value

- : expression

/ expression

+ expression

6 value

**2. What is the difference between string and va**riable?

A string is a type of value that represents text

A variable where a programmer can hole any kind of value

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

* Numeric
* String
* Binary

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

An expression is made up of the operator and an operand. Expression representation of value

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

A statement is an instruction that a Python interpreter can execute, like spam=10, print(spam). An expression is made up of an operator and an operand like X=10+12 an example of an arithmetic expression

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

**bacon = 22**

**bacon + 1**

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?**

A variable name cannot be numeric,100 is numeric

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

The int() , float() , and str( )

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

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

can only concatenate str (not "int") to str

This can be solved by 'I have eaten ' + '99' + ' burritos.'