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.

\*

&#39;hello&#39;

-87.8

-

/

+

6

ANS &#39;hello&#39 this value is a expression

2. What is the difference between string and variable?

ANS Variables are symbols that you can use to store data in a program. You can think of them as an empty box that you fill with some data or value. Strings are data, so we can use them to fill up a variable

3. Describe three different data types.

ANS  structured data, unstructured data and big data.

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

ANS In Python, an expression is a combination of values, variables, and operators that evaluates to a single value. Expression in python can be used in a variety of ways, such as in assignment statements, function arguments, and conditional statements

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

expression and a statement?

ANS A statement is a complete line of code that performs some action, while an expression is any section of the code that evaluates to a value.

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

bacon = 22

bacon + 1

ANS The bacon variable is set to 20

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

ANS variable name cannot start with number

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

version of a value?

ANS The int(), float(), and str() functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

&#39;I have eaten &#39; + 99 + &#39; burritos.&#39;

ANS The expression causes an error because 99 is an integer, and only strings can be concatenated to other strings with the + operator. The correct way is I have eaten ' + str(99) + ' burritos.

Finish \*\*\*\*