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- **Values:**

* 'hello' (string)
* -87.8 (float)
* 6 (integer)

**Expressions:**

* - (unary minus operator)
* / (division operator)
* + (addition operator)

2. What is the difference between string and variable?

Ans- A string is a data type that represents a sequence of characters enclosed within single (') or double (") quotes.

Example: "hello", 'world', "123"

A variable is a name used to store a value, such as a string, number, or other data types. The variable holds data that can change during program execution.

3. Describe three different data types.

TUPLE,SETS,LIST

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

Ans-These are the values or variables involved in the expression. For example, in the expression 3 + 5, the operands are 3 and 5.

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

expression and a statement?

An expression is a combination of values, variables, and operators that **evaluates to a value**.

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?

&#39;spam&#39; + &#39;spamspam&#39;

&#39;spam&#39; \* 3

Ans- spamspamspam

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

Ans-we cant start variable name using a number

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

version of a value?

Ans- int,float,str

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

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

Ans- 'I have eaten ' + str(99) + ' burritos.'