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.

\* This is an expression

'hello' this is value

-87.8 this is value

- This is an expression

/ This is an expression

* This is an expression

6 this is value

2. What is the difference between string and variable?

String is the sentence or word made of a-z or special character or number like “kiran” or “where do live?” and variable is used for story the value its name of memory where the

value store

3. Describe three different data types.

Int ---- this is integer type datatype where we can store integer values (-1 to +1)

Fload ----- this is float type datatype where we can store decimal value

Str ------------this is str type datatype where we can store string value

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

Expression is made up of operators and value or we can say a variable. the expression performs a certain mathematical action

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

Statement are each line of code

the expression performs a certain mathematical action

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

bacon = 22

bacon + 1

bacon value will be 23

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

'spam' + 'spamspam' the value of this is spamspamspam

'spam' \* 3 the value of this is spamspamspam

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

Because the variable name can’t start with number

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

Int, float ,str

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

'I have eaten ' + 99 + ' burritos.' Because we can’t add string datatype with integer they both has different data type

Fix

- 'I have eaten ' + ‘99’+ ' burritos.' Trieting 99 as a string