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.

\*value

Hello - value

-87.8 – value

- expression

/-expression

+-expression

6 -value

2. What is the difference between string and variable?

🡪String is the value which we mention inside the quotes(‘’) and variable is to store the data or information

X=’neha’

X is a variable and neha is a string

3. Describe three different data types.

String , int, float, complex ,bool

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

🡪Expression is combination of operators and operands which produce some other value while compiling

X+Y = ADDITION

X-Y = SUBTRACTION

X\*Y = MULTIPLICATION

X/Y = DIVISON

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

expression and a statement?

🡪Expression returns some new value whereas statement does not return any value.

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

bacon = 22

bacon + 1

* Bacon value is 22 where in the next statement it has to assign as;

Bacon = bacon+1

So that we can get the output

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

‘Spam’ + ‘spamspam’

‘Spam’\*3

* Here both strings get the same value both are evaluating
* ‘spamspamspam’.

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

🡪 eggs is valid variable name 100 is invalid because variable names cannot start with the 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’

* Here in the given function except 99 both are strings so we have to convert 99 also to the string because strings can be concated with the other strings with the + operator
* So we have to mention str() function to 99 as str(99)
* Finally, ‘I have eaten + str(99)+’burritos’