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)

& (this is an expression)

Hello (this is a value)

-87.8(this is a value)

- (this is an expression)

/ (this is an expression)

+ (this is an expression)

6 (this is a value)

2. What is the difference between string and variable?

Variable is symbol we store a value in it

string is data type in python

3.Describe three different data types.

String is sequence of characters (example: “hello”)

Int is numerical type in python (example :44545)

Dictionary or dict using dict we can able generate a set of data stored in single variable

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

  Expression An expression is a combination of operators, constants and variables

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

expression and a statement?

With statement we cannot do any expression like add some like expression

With expression we can able to do any kind of operations like subtract add multiple

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

bacon = 22

bacon + 1

output:

23

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

'spamspamspam'

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

version of a value?

String(value) it converts the value into string

Floating point number it converts the value to floating point number like continuous variable

Int converts the value to integer

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

In python variable can only consist of letters and underscore and numbers also but they cannot start with numbers

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

We can add two strings in it not with a int