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.

\* - expressions

‘hello’ - values

-87.8 - values

- - expressions

/ - expressions

+ -expressions

6 - values

2. What is the difference between string and variable?

The main difference string and variable is by using variable we will define the specific path to store and string means pass a information to that variable.

String means giving information and variable to store that information

3. Describe three different data types.

Integer: the data types is store number (1,2,3,4)

Float: these also a data type but it will store only fractional values(1.2,3.4)

String : the data type is store alphabets or text(a,s,d,f,agffgh)

Boolen: means True or False

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

An expression is an a combination of operators , constanta and variables . An expression may consist of one or more operands , and zero or more operators to preoduce value

Bitwise expression

Logical expression

Floating expression

Integral expression

Expression is made up of values, containers, and mathematical operators and the statement is just like a command that a python interpreter executes like print.

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

expression and a statement?

Expression is made up of values, containers, and mathematical operators and the statement is just like a command that a python interpreter executes like print.

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

bacon = 22

bacon + 1

print(“bacon=”,bacon)

bacon=23

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

‘spam’+’spam spam’

‘spam’\*3

‘spamspamsapm’

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

As per the rules in python we can’t name variable with number . Because when we enter a number then python compiler think like a it a number .So we can’t name a variable as number . for naming a variable as per the python rules starts with alphabets .

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

We need denote integer as int()

For string we need to denote as str()

For floating point we need to denote as float()

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

'I have eaten' + 99 + 'burritos'

We can’t add a integer to string its through an type error

To avoid that we need to convert integer into sting

'I have eaten' + str(99) + 'burritos'