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.

\*

hello

-87.8

-

/

+

6

= integer - 6

String – hello

Float = -87.8

Expression = + - / \*

2. What is the difference between string and variable?

= string is character value. Variable is local instances or global instances where we can try to store data.

3. Describe three different data types.

= 1) string - In string we contain character value. Eg: “Hello world”

2) integer – in integer we store numeric datatype Eg: 3, 2

3) Boolean - we store True and False value.

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

= An expression is made up of operators and operands that Is interpreted to produce some other value.

A expression I s representation of value. There are many type of expressions,

e.g Constant expressions, Arithmetic expressions, Integral expressions, Floating expressions, Relational expressions, Logical expressions

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

expression and a statement?

= Statement is an instruction to python interpreter. A does not evaluate something . A statement is just instruction and it does not have return value. If you can not print result of something it means it is a statement. Eg- if, for loop, def .

Basically expression is everything that evaluate to some value. If you print the result then it Is expression. Expression is combination of operator and operands.

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

bacon = 22

bacon + 1

= 23

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

spam+ spamspam = spamspamspam

spam \* 3 = spamspamspam

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

= variable name is always start with string, not with integer

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

version of a value?

= 1) def fun():

Print(50 + 50)

Fun()

2) def fun1():

Print(30.0 + 20)

Fun1()

3) def fun2():

Print(“Hello world”)

Fun2()

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

I have eaten + 99 +burritos

= because in this sentence string and integer is added. That’s way it will show error.

How can you fix it ? by converting into string. A = “I have eaten + 99 + burritosv”