Q1. 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.

\* mathematical operator

‘hello’: string values

-87.8: integer values

- : mathematical operator

/ : mathematical operator

+ : mathematical operator

6 : integer values

Q 2. What is the difference between string and variable?

A: variable is used to store information

String is a type of information stored within a variable

Q 3. Describe three different data types.

A:

* Numeric data types: int, float, complex.
* String data types: str
* Boolean type: bool

Q4. What is an expression made up of? What do all expressions do?

A: An expression in Python is a combination of operators and operands.

X=X-10

Expressions will generate some results/values.

i=9

A= 6+i

A=15

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

expression and a statement?

A: An expression evaluates to a single value. A statement does not

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

bacon = 22

bacon + 1

A: firstly bacon = 22 statement will assign 22 within the variable .

But bacon + 1 will not reassign the value unless the below code is executed

Bacon= bacon + 1

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

‘spam’; +’spamspam’

‘spam’; \* 3

A: 'spamspamspam' for both cases

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

A: variable name cannot be number

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

version of a value?

A: integer: int()

Float point number: float()

String: str()

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

&#39;I have eaten &#39; + 99 + &#39; burritos.&#39;

A: Integer and string cannot be concatenated

Correct way to present is :

‘ I have eaten’+’ str(99)+’ burritos’