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.

Ans : Values are : hello, -87.8,6

Expressions are : \*,+,-,/

2. What is the difference between string and variable?

Ans :

String : A string is any series of characters that are interpreted literally by a script. For example, "hello world"

Variable: A variable is any characteristics, number, or quantity that can be measured or counted. A variable may also be called a data item. Age, sex, business income and expenses, country of birth, capital expenditure, class grades, eye colour and vehicle type are examples of variables.

3. Describe three different data types.

Ans : Integer, Float, Character/String are three data types.

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

Ans: expression made up of value and operators. Expressions help to perform operations on operand and provide result.

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

expression and a statement?

Ans: In programming language terminology, an “expression” is a combination of values and functions that are combined and interpreted by the compiler to create a new value, as opposed to a “statement” which is just a standalone unit of execution and doesn’t return anything.

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

bacon = 22

bacon + 1

Ans : bacon=23

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

‘spam’+’spamspam’

‘spam’\*3

Ans: ‘spamspamspam spamspamspam’

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

Ans: Because variable support starting with character and unserscore, it is not support that variable name start with number. So ‘eggs’ is valid and 100 is invalid.

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

version of a value?

Ans: The int() , float() , and str( ) functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

‘I have eaten’ + 99 + ‘burritos’

Ans: Because 99 should be str() type, we can correct it using ‘I have eaten’ + str(99) + ‘burritos’