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

Answer: Values-‘hello’ , 6 , -87.8

Expression - \* , - , /, +

2. What is the difference between string and variable?

Answer- Strings are a set of data that are kept in semi inverted column I.e ‘this is me’ It can be anything that we can keep in string.

VARIABLE- It is a symbol that is used to store data in a programme. It is a name given to a set of data for programming. Example L = ( ) , A = (1,2,3 , “true” )

3. Describe three different data types.

Answer – 1- String example ‘my name is aradhana’

2- Floating example 78.9, 899.9, 44.67

3- Integer example 7,8, 45,65

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

Answer-An expression is made up of value and operators. Expressions are evaluated as per the commands. Example of expressions are sting, floating, integer etc.

5. This assignment statements, like spam = 10. What is the difference between .an expression and a statement?

Answer-

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

bacon = 22

bacon + 1

Answer - 23

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

'spam' + 'spamspam'

'spam' \* 3

Answer – ‘spam’ + ‘spamspam’

Spamspamspam

‘spam’ \* 3

Spamspamspam

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

Answer- Because in python variable names can only be in alphabetic ,example- a , b ,c , cat etc. while 100 is an integer

So it will show “cannot assign to literal”.

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

Answer – The functions used to get integer – int()

For floating point variable – float()

For string – str()

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

'I have eaten ' + 99 + ' burritos.'

Answer – In this statement there is error of string concatenate. To fix the error we have to remove + ‘99’ .