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

= ‘hello’, -87.8, and 6

2. What is the difference between string and variable?

=string is data and in variable we assign value that value we say string (one of them)

Eg: x=” dimpal”

so, hear x is variable and dimpal is a value which have data type string.

3. Describe three different data types.

= number, strings, boolean

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

= expression made up of some value, operator, logic

And this expression produces a result according to requirements.

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

= statement is only statement which does not give any value and expression Is made up of full logic and give result.

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'

'spam' \* 3

= both give same result

‘spamspamspam’

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

=because we can’t not assign number as a variable

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

=int(),float(), str()

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

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

=this expression cause error because we are adding string and integer

Here 99 is integer and remain both are string; we can fix this error by converting int to string.

Ex: ‘I have eaten’ +’99’ +’burritos’,