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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’ , -87.8 , 6

Expression = \* , - , / , +

2. What is the difference between string and variable?

ASNWER : A string is value representing in single or double quotes where as variable is name that stores any value or string

3. Describe three different data types.

ANSWER : 1. Int : holds integer values

2. float : holds decimal values

3. complex : holds complex values

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

ANSWER : Expression is made of values, variables, operators. Combination of all expressions performs an operation

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

expression and a statement?

ANSWER : A statement is line of code which performs some action and does’t gives any value where as expression is a code that evaluates to a value and gives values.

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

bacon = 22

bacon + 1

ANSWER : 22

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

‘spam’ + ‘spamspam’

‘spam’ \* 3

ANSWER : ‘spam’ + ‘spamspam’ = ‘spamspamspma’

‘spam’ \* 3 = ‘spamspamspam’

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

ANSWER : Because the variable name can start with alphabets but cannot start with interger or numbers, also a variable can contain numbers but not at the start of the variables

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

version of a value?

ANSWER : int(), float(), str()

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

‘I have eaten’ + 99 + ‘burritos’

ANSWER: can concatenate only string not with both string and interger

U can fix by converting interger into string

‘I have eaten’ + ‘99’ + ‘burritos’