**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.**

\*(multipication operator)

'hello'(String)

-87.8(variable)

-(subtract operator)

/(divide operator)

+(add operator)

6 (int)

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

**ANS-**String which contains data type of series, as alphabetically or an integer in quotation marks.

variable is storage of some kind of data it may be int type or float type or str type or bool type and also short symbol representation of any kind data

**3. Describe three different data types.**

**ANS-**There are four type of data

1. Float type
2. Int type
3. Char type
4. Bool type

* Float type data contains number which are in decimal foam.
* Int type data contains integers .
* Char type data contains alphabetically or character type.
* Bool type data contains representation of data in true and false condition

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

A expression is basically combination of operators and operands which means to do something that evaluates to a single value

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

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

**bacon = 22**

**bacon + 1**

ANS=22

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

**'spam' + 'spamspam'**

**'spam' \* 3**

**Ans-**

**spam' + 'spamspam'- 'spamspamspam'**

**'spam' \* 3 - 'spamspamspam'**

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

**ANS**-Because variable name cannot be use as number

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

**Ans-** To get the integer value pass the number from int()

To get the floating value pass the number from float()

To get the string value pass the number or alphabets from str()

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

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

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