

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

Ans:

*** - / + are the expressions**

'hello', -87.8 are the values

2. What is the difference between string and variable?

Ans:

Variable contains a name and stores the data in that name

String: string is having text and it is not assigned to anything

3. Describe three different data types.

Int: integer data types have the values as integers such as 1 2 3 4 5

Bool: Boolean data types are having the values 0 or 1 or True or False

String: string have text as 'reddit' and enclosed by the singular quotes

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

Expressions are the mathematical operators and computes the variables according to operations

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

Expression makes the data to compute and statement makes the data to present or text

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

```
bacon = 22
```

```
bacon + 1
```

22

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

```
'spam' + 'spamspam'
```

```
'spam' * 3
```

Shows the same

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

Name of the variable must not contain numbers

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.'
```

Operators only work if the variables are same data types. Here that is not the situation