

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

Solution –

Values – 'hello', -87.8, 6

Expression – *, /, +

2. What is the difference between string and variable?

Solution–

String – Value enclosed in double quotation mark

Variable – Value in the format like integer, float and string.

3. Describe three different data types.

Solution –

Integer – It is the zero, positive or negative whole number without the fraction part.

List– Elements inside square braces.

Tuple– Elements inside round braces.

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

An expression is an instruction that combines values and operators and always evaluates down to a single value

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

Expression is made up of values, containers, and mathematical operators (operands) and the statement is just like a command that a python interpreter executes like `print`.

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

```
bacon = 22
```

```
bacon + 1
```

I

Solution-

22

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

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

```
'spam' * 3
```

Solution-

```
'spamspamspam'
```

```
'spamspamspam'
```


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

Solution-

Variable name not starts with integer

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

Solution-

Str()

Int()

I

Float()

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

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

By making 99 as string