

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:

From the above elements

Strings=hello

Float=-87.8

Integers=6

Mathematical operators= -, /, +.

2. What is the difference between string and variable?

Ans:

Variable is used to store the data and string is used to store the data but in the form of characters.

3. Describe three different data types.

Ans:

Int, float, strong.

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

Ans :

An expression can be made of variables and operators. The expression will perform some mathematical operations between the variables .

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

expression and a statement?

Ans: Statement will define two side meaning where as expression defines unique or single meaning.

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

```
bacon = 22
```

```
bacon + 1
```

Ans: After running the above code `bacon` will remain as 22.

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

```
'Spam' + 'spamspam'
```

```
'spam' * 3
```

Ans: The above code will not execute it will throw a syntax error.

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

Ans: `eggs` will be a valid variable because it starts with a character where as `100` will not be a variable because it starts with a number.

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

Ans: `int()`, `float()`, `str()`.

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

`'I have eaten' + 99 + 'burritos'`

Ans: The error caused is **Syntax Error: EOL while scanning string literal**.

We can fix it by `"I have eaten" + "99" + "burritos."`