**Q1**

\* Expression

‘hello’ value

-87.8 value

- Expression

/ Expression

+ Expression

6 value

**Q2**

A string is a data type used to represent textual data, such as a sequence of characters. In programming, a string is typically enclosed in quotation marks, either single ('') or double ("")

A variable is a symbolic name that represents a storage location in the computer's memory. It's used to store and manage data. Variables can hold various types of data, including strings, numbers, booleans etc.

**Q3**

String, int, float

**Q4**

An expression in programming is a combination of values, variables, operators, and function calls that can be evaluated to produce a single value

All expressions serve the purpose of producing a value. When an expression is evaluated, it results in a single value.

**Q5**

key difference between expressions and statements is that expressions produce values, while statements perform actions or control the program's flow. In many cases, statements can contain expressions as part of their execution.

**Q6**

23

**Q7**

"spamspamspam"

"spamspamspam"

**Q8**

A variable name must start with a letter or the underscore character

A variable name cannot start with a number, it can only contain alpha-numeric characters and underscores

So eggs is a valid variable name while 100 is invalid.

**Q9**

int(value)

str(value)

float(value)

**Q10**

we can only perform operation on same data types

we can fix this as-

"I have eaten" + "99" + "burritos."