Consider a Char variable foo with value (a):

Value (a) Foo

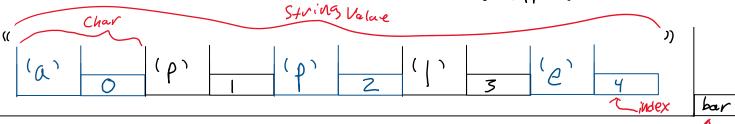
It is a "box" with a name. Inside the box is a valence of the same dota type of the variable

TYPE

We con access the value by using the name of the variable;

Std:: Cout << FOO; //on+Puts the Character

Now consider a string variable bar with the value "apple":



Again, to access the value of bar, we use its name:

Std:: Cout << box; "outputs the string stored in the variable for

Now, there is something different about string variables that we notice from the diagram. It seems like the String box has a bunch of char variables in it, a box of boxes if you will.

The "Names" of the Chars in a string are numbers that correlate to their position in the string. We can consider these numbers the Char's index. To access the Char in a string by its index, we need to open the string's box and then tell the computer which box in the string box to open. Observe: Std:: Cout < bar [0]; // Prints the letter a

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