Regular Expressions

1 ^([A-Z] {1}.+?)(?:\)

This regular expression asserts that the string is at the start of a line.

The following are two groups indicated by parentheses. For the first group, it must start with only one capital letter, followed any one or more characters.

The? at the end makes the .+ lazy. This means the expression will accept the first match and not continue looking for more.

The second group represents matching a comma but is preceded by ??:'.

?: indicates to find the comma but not capture it. It is not in the returned string.

The first group stops matching once a comma is found.

2 (?:, I,\s)([A-Z] {1}.*?)(?:\s\(I:I,)

The regular expression consisits of three groups. The first is a non-capturing group that matches a comma or comma followed by a space. It does not return the, .

The second group starts with exactly one uppercase letter followed by 0 or more of any character. With the? at the end of the group, it is lazy and will stop looking for matches once a satifactory match is found. The last group is a non-capturing group that looks for either a space and open parenthesis so or a colon: or a comma,

③ ∖\$.+

This regular expression looks for strings that start with \$, then is followed any one or more characters. Since the dollar sign is a special character in regular expression it needs to be escaped with the back slack to be treated as an octual dollar sign.

Summary:

The first expression gets all the text before the first comma, provided it starts with a capital letter.

The second expression gets the text after the first comma, and stops at either the first open parenthesis, colon or comma.

The third expression looks for a dollar sign, then gets everything after, provided there is text after.