Lab Two

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1 Dragon Book Exercises

1.1 Exercise 3.3.4

A case insensitive regular expression can be written by including both the uppercase and lowercase character in the regular expression. A case insensitive regular expression for a select statement in SQL can be written as:

```
select = [Ss][Ee][Ll][Ee][Cc][Tt]
```

2 Crafting A Compiler Exercises

2.1 Exercise 3.3

2.1.1 Figure 1

[(a | b) b+ | a+ab]

2.1.2 Figure 2

[(a) cd*bc]

2.1.3 Figure 3

[ab+c]

2.2 Exercise 3.4