

Lab Two

Blake Mackey

blake.mackey1@marist.edu

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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

See image in github.