

Lab One

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1 CRAFTING A COMPILER

EXERCISES 1.11(MOSS)

Moss was working as same as lexical analysis and scanning of a compiler. It makes original data code by a student altered into a sequence of tokens and evaluated it. Evaluate tokenized versions of all student source code entries. When someone changes the variable name or tries to introduce spaces, the program's structure will not change. Moss can confirm that there is substantial overlap.

EXERCISES 3.1 (TOKEN SEQUENCE)

```
main(,), {,  
const ,float, payment ,= , 384.00 , ; ,  
float, bal, ; ,  
int , month , = ,0 , ; ,  
bal, =, 15000, ; ,  
while, (, bal, >, 0 , ), { ,  
printf,(," Month : %2dBalance : %10.2f\n",,month,bal,);,;  
bal,=,bal,-,payment,+,0.015,* ,bal,;;  
month,=, month, +, 1,;;  
},  
}
```

2 DRAGON

EXERCISES 1.1.4 (ADVANTAGES OF C AS A TARGET LANGUAGE)

The C compiler can be used on any platform and used on any platform and architecture where the C language is available. C language is more straightforward to understand than any intermediate language.

EXERCISES 1.6.1 (VARIABLES IN BLOCKSTRUCTURED CODE)

w = 13, x = 11, y = 13, z = 11.