CISM 314 LAB4

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1 AIM

The aim of this practical was to write a program that was able to parse and translate general expression that involve addition and subtraction.

2 INTRODUCTION

DOSBox is a program that rivals the DOS operating system which ran the majority of PCs in the late 1980s and early 1990s, with MS-DOS operating system being the most dominate. Due to the substantial demand from owners to either have the programs updated or a way to go back to MS-DOS when needed to run the older games or programs. Luckily for gamers, computer enthusiasts and owners wanting to continue using their old, trusted programs a group of developers finally came to the rescue in 2002 by creating the DOSBox emulator. The DOSBox emulator is an application that runs as a stand alone program that can be used to run thousands of old games and programs using the original files, floppy disks or CD-ROMs.

3 PROCEDURE(figure1 - figure6)

4 From figure 7 to figure 10: Running cradle.pas file

5 Conclusion

In this practical we were able to complete the program successfully and all the pictures indicate the parsing and translating general expressions that involved addition and subtraction as expected.

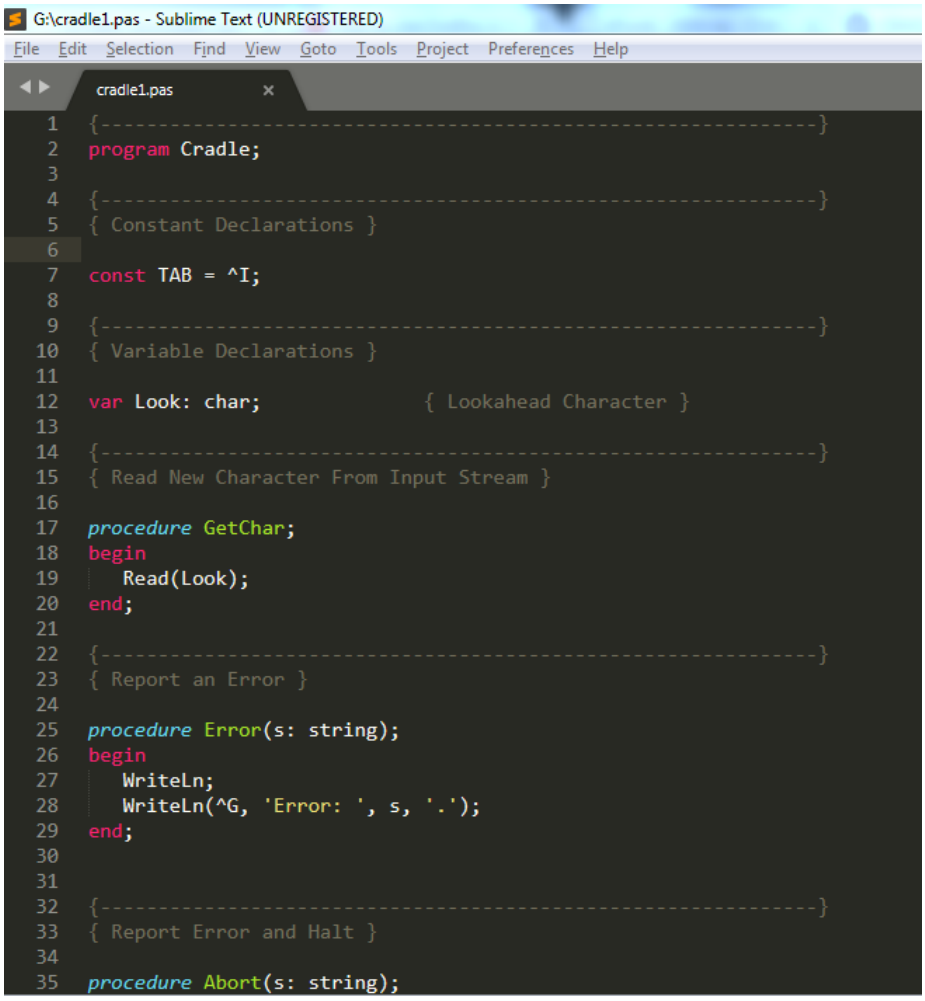

Figure 1: Program 1

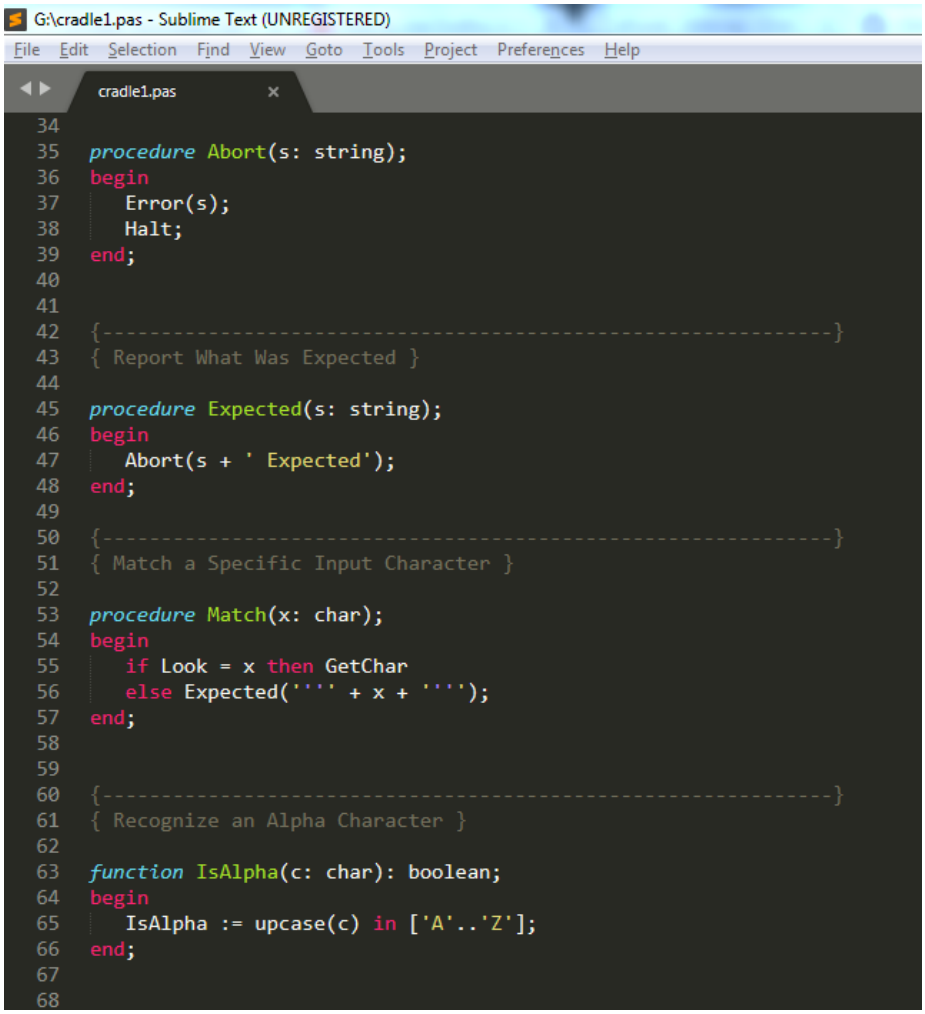

Figure 2: Program 2

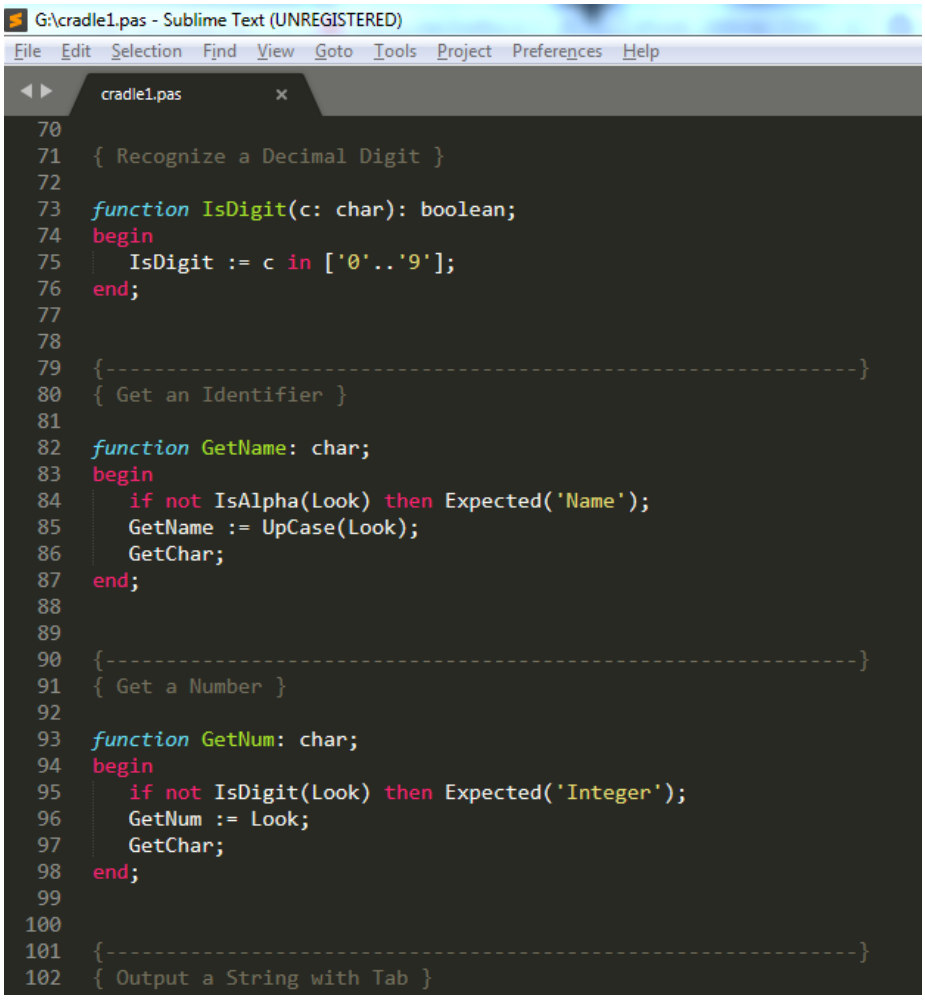

Figure 3: Program 3

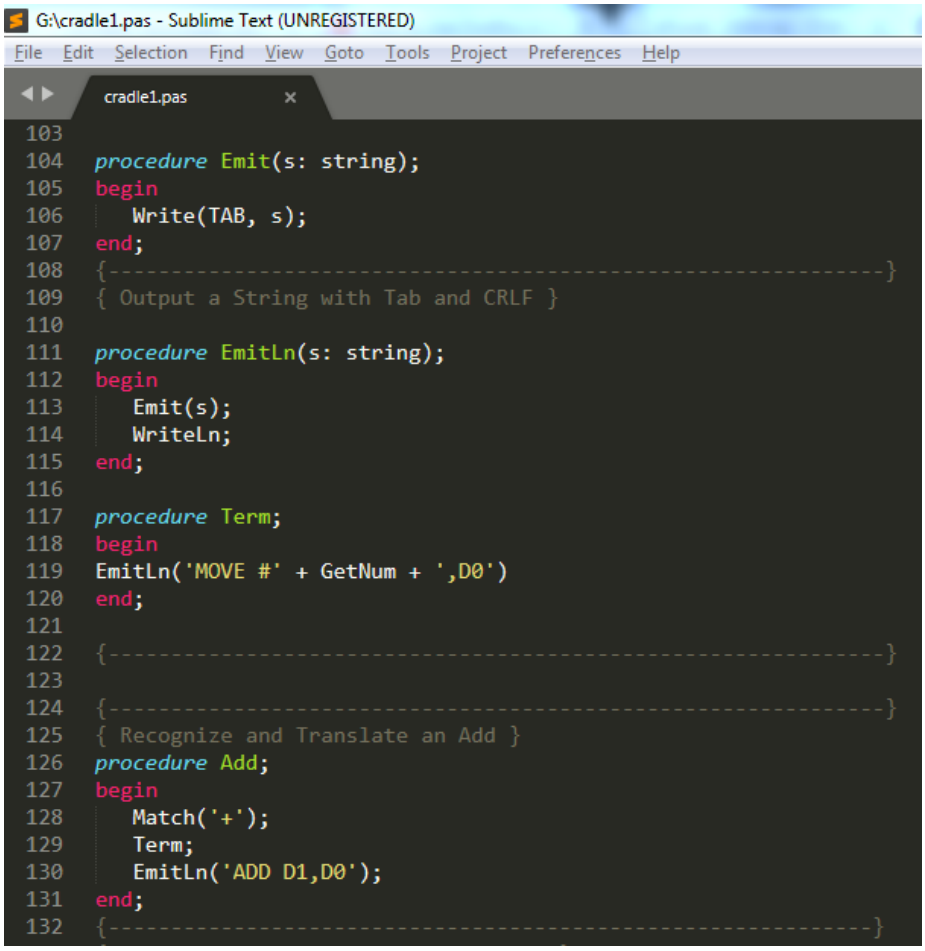

Figure 4: Program 4

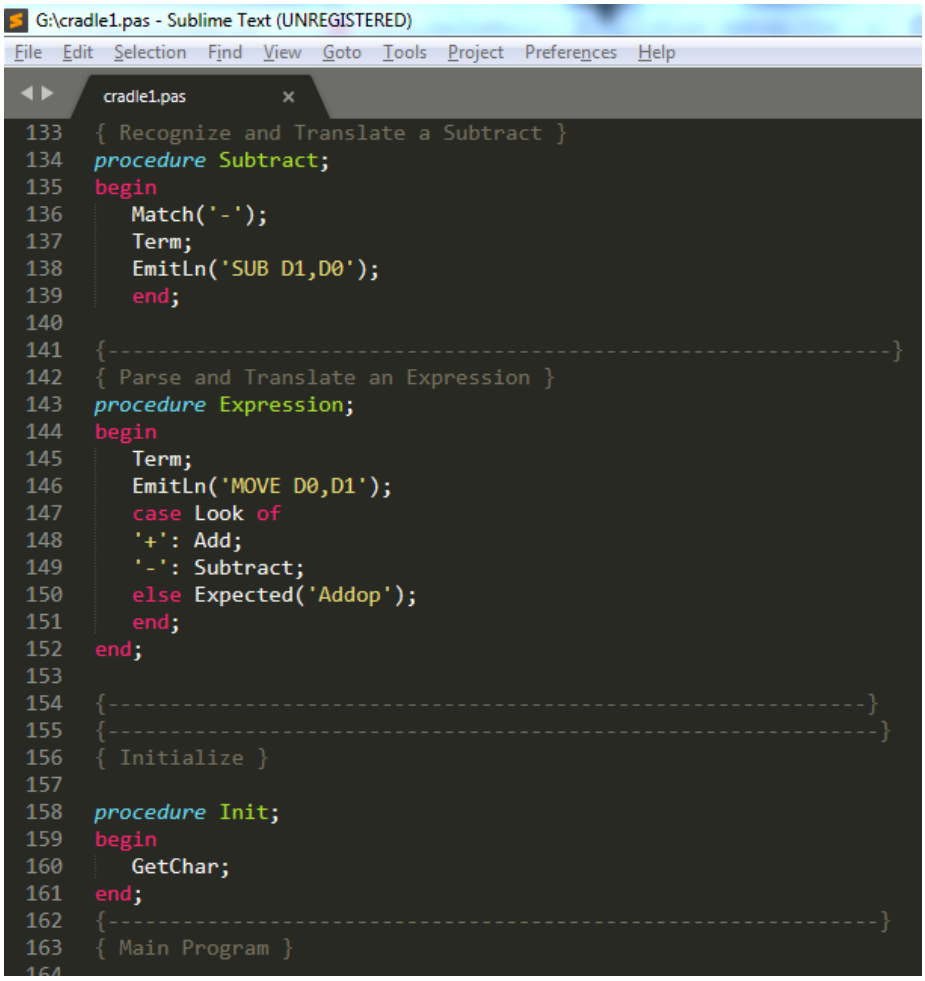

Figure 5: Program 5

```
{ Main Program }

begin
   Init;
   Expression;
end.
{--------------------------------------------------------------}
```

Figure 6: Program 6

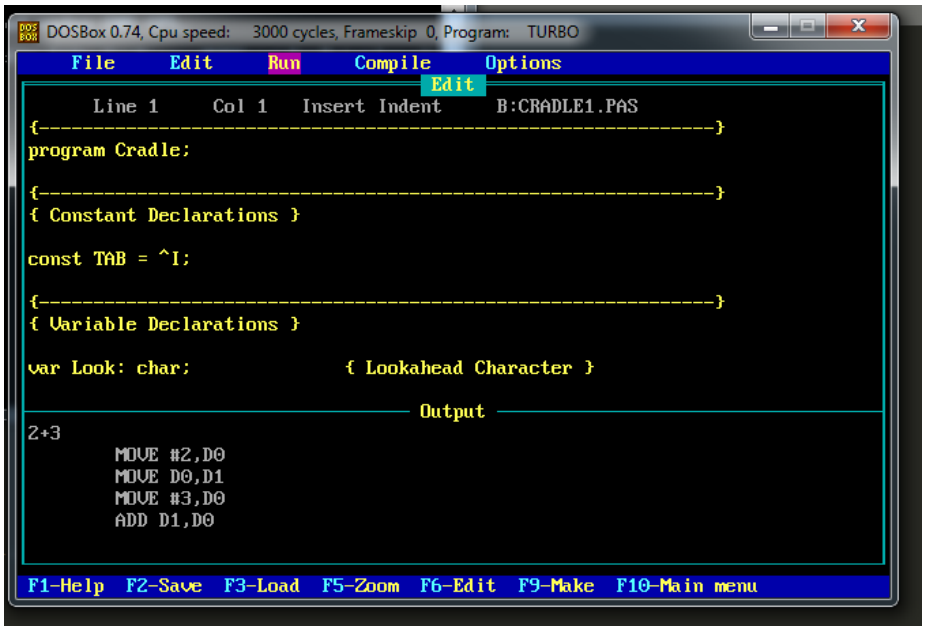

Figure 7: Program 7

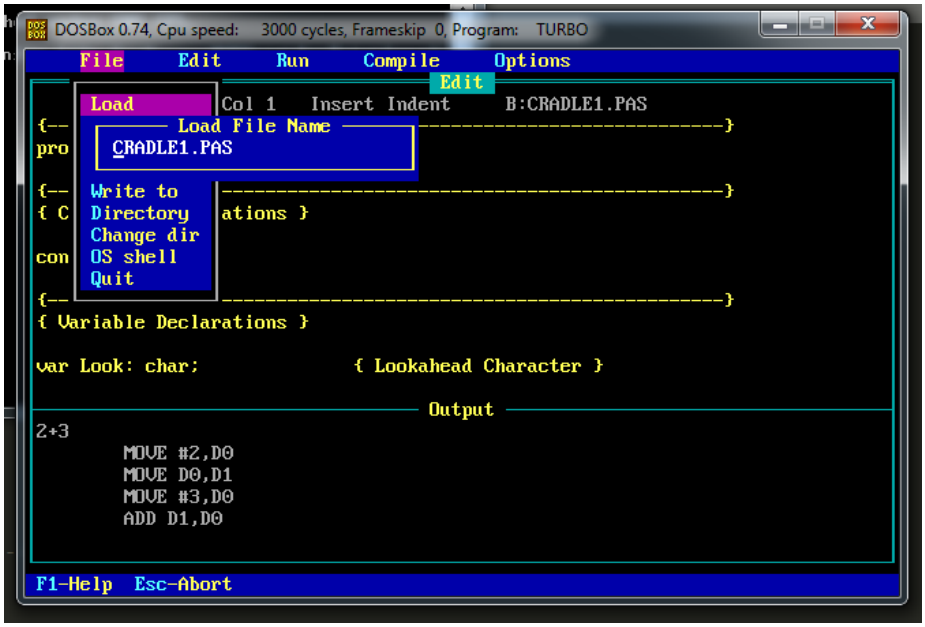

Figure 8: Program 8

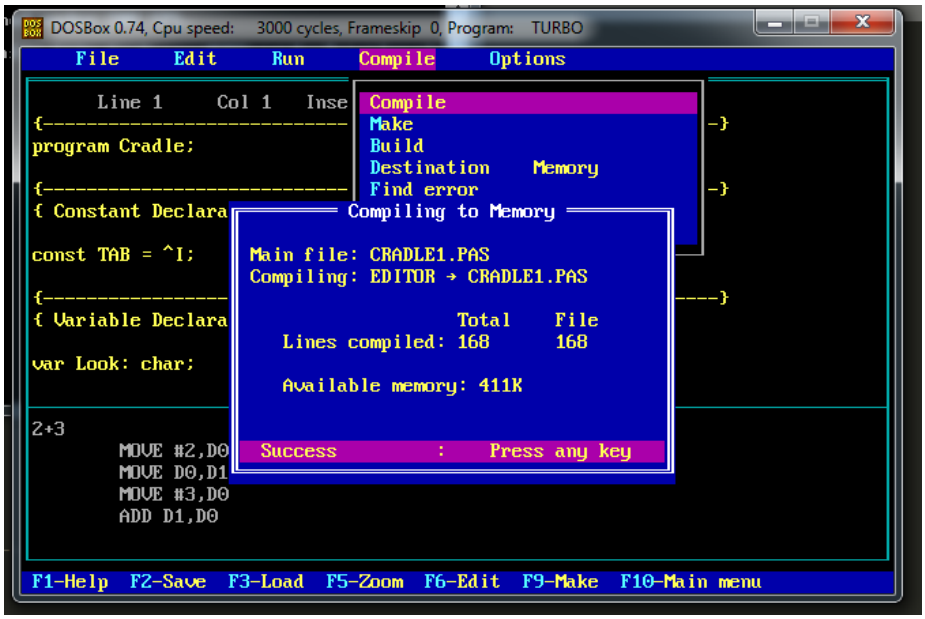

Figure 9: Program 9

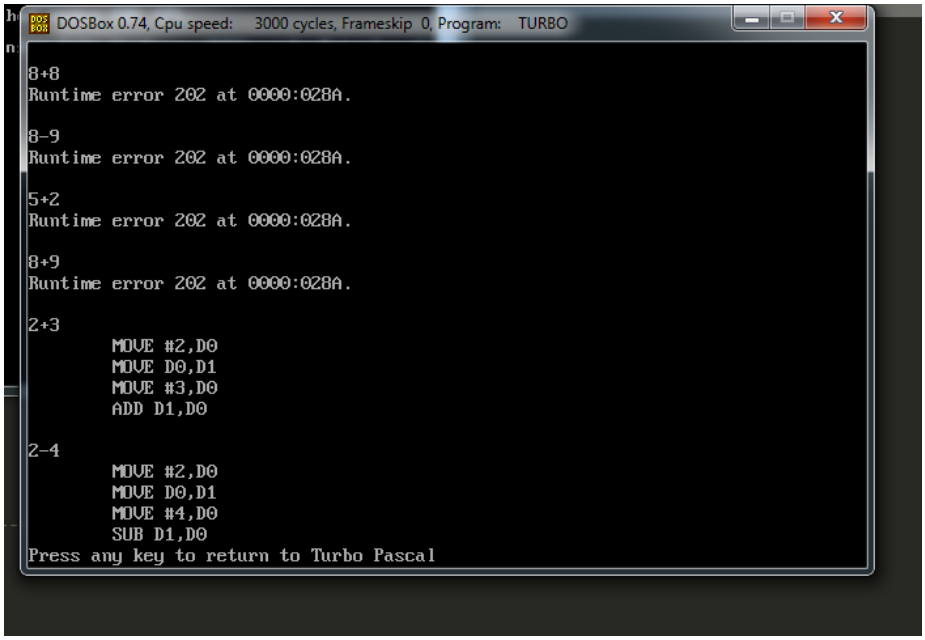

Figure 10: Program 10