

CSci 360, Fall 2004, Assignment 5

This assignment, worth 35 points, is due Friday, October 8, at 5:00pm. To submit, attach your modified file (`interpreter.adb`) to an e-mail sent to `cburch@cburch.com`.

Note: You will be using your solution from Project 1 to complete this assignment. If that solution failed to identify all type errors, then you need not worry about completing them. A correct `parse.adb`, however, is important to your completion of this program. If I did not provide corrections when I graded yours, talk to me, and I can give you a working version.

Your job in this project is to continue the program of Project 1 to complete a hybrid interpreter, which executes a program given on the command line. Suppose `count.ada` contains the following program in our language.

```
procedure Count is
  I : Integer;
  N : Integer;
begin
  Get(N);
  I := 0;
  while I /= N loop
    I := I + 1;
    Put(N);
  end loop;
end Count;
```

Then we should be able to execute our program as follows.

```
unix% ./main count.ada
Parse successful: No errors found
? 4
1
2
3
4
```

If the input program has a syntax or type error, then it should display that error message instead.

In addition to your work from Project 1, you should download two new files and two replacement files from the class Web site. The only file you will be modifying for this assignment is `interpreter.adb`.