Pyprog Language Writeup

Changes made in part 1:

I added a simple for loop to the language. It looks like this:

```
for i 10
do
    # code here
end
```

It's a lot like the while loop, but instead of an <expr>, the for loop takes an ID that acts as the index variable (like for(int i; ...) in java) and an INT for the number of times you want the for loop to run.

For because the lexer is just ensuring everything is a valid token/lexeme and not interpreting the program, the only change to the code was adding "for" to the KEYWORDS array in lexer.py. That would be found using lookup(lexeme) in the state transition diagram, so no change was needed there.

State Transition Diagram: