## CSCE 330 Fall 2016

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Quiz 3
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Assigned Wednesday, 16-09-14

Consider the following incorrect Prolog program.

```
% factorial(N,M) holds when M=Nx(N-1)x...x2x1 (and wi
factorial(0,1).
factorial(N,F) :- N>0, factorial(N,F1), F is N*N.
```

- 1. Does this program terminate? **Answer:** No.(It actually runs out of memory.)
- Correct the second clause of the program so that it correctly computes the factorial. Answer: