**Part 2: More Prolog**

**Listed below is the reordered facts that provides faster execution time when queried for goal(X). As asserted facts for “Roberta” will pass for all three facts foo, hello, world it will satisfy the subgoal and avoid unnecessary backtacking.**

**foo(roberta).**

**foo(ashwin).**

**hello(roberta).**

**hello(brock).**

**hello(john).**

**world(roberta).**

**world(ashwin).**

**goal(X) :- sub1(X),sub2(X).**

**sub1(X) :- foo(X).**

**sub2(X) :- hello(X),world(X).**