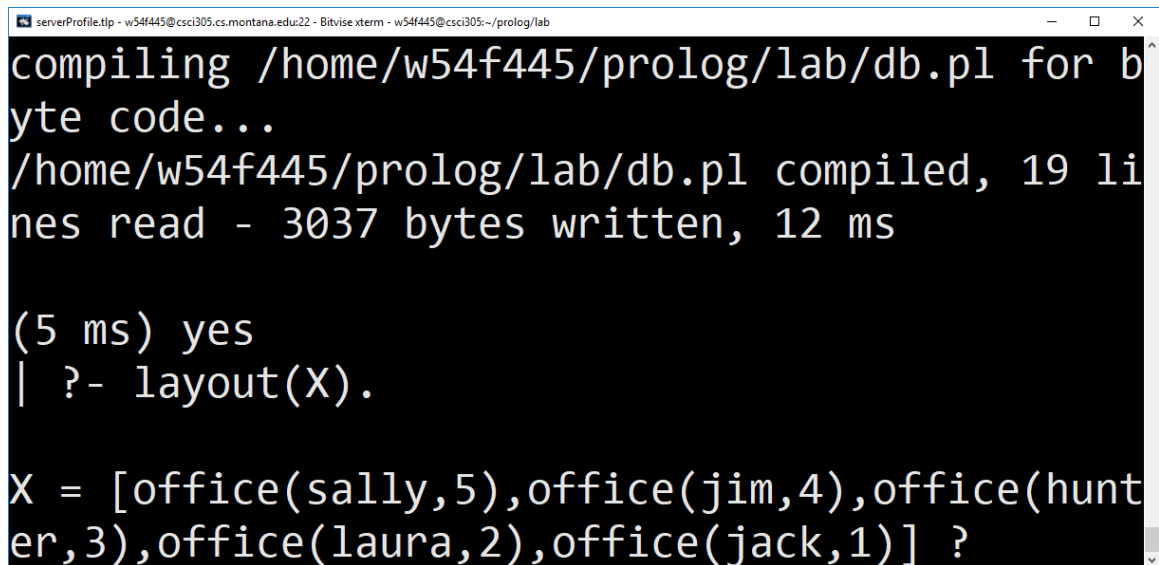Hunter, Laura, Jim, Sally, and Jack work in the same building with five adjacent offices. Hunter doesn't work in the 5th office and Laura doesn't work in the first office. Jim doesn't work in the first or last office, and he is not in an office adjacent to Jack or Laura. Sally works in some office higher than Laura's. Who works in what offices?

Write a Prolog program to solve this problem.
Define what adjacency is, then what the offices are, and then create a layout(X) that allows you to put in all the rules.

Due Friday March 14th......Friday before Spring break, don't wait start Spring Break early.

Output answer that mine outputs looks like this:


```
serverProfile.tlp - w54f445@csci305.cs.montana.edu:22 - Bitvise xterm - w54f445@csci305:~/prolog/lab          —    □    ×
compiling /home/w54f445/prolog/lab/db.pl for b
yte code...
/home/w54f445/prolog/lab/db.pl compiled, 19 li
nes read - 3037 bytes written, 12 ms


(5 ms) yes
| ?- layout(X).


X = [office(sally,5),office(jim,4),office(hunt
er,3),office(laura,2),office(jack,1)] ?
```

Each person is put into an office that doesn't break any of the rules given.