

Lab-4

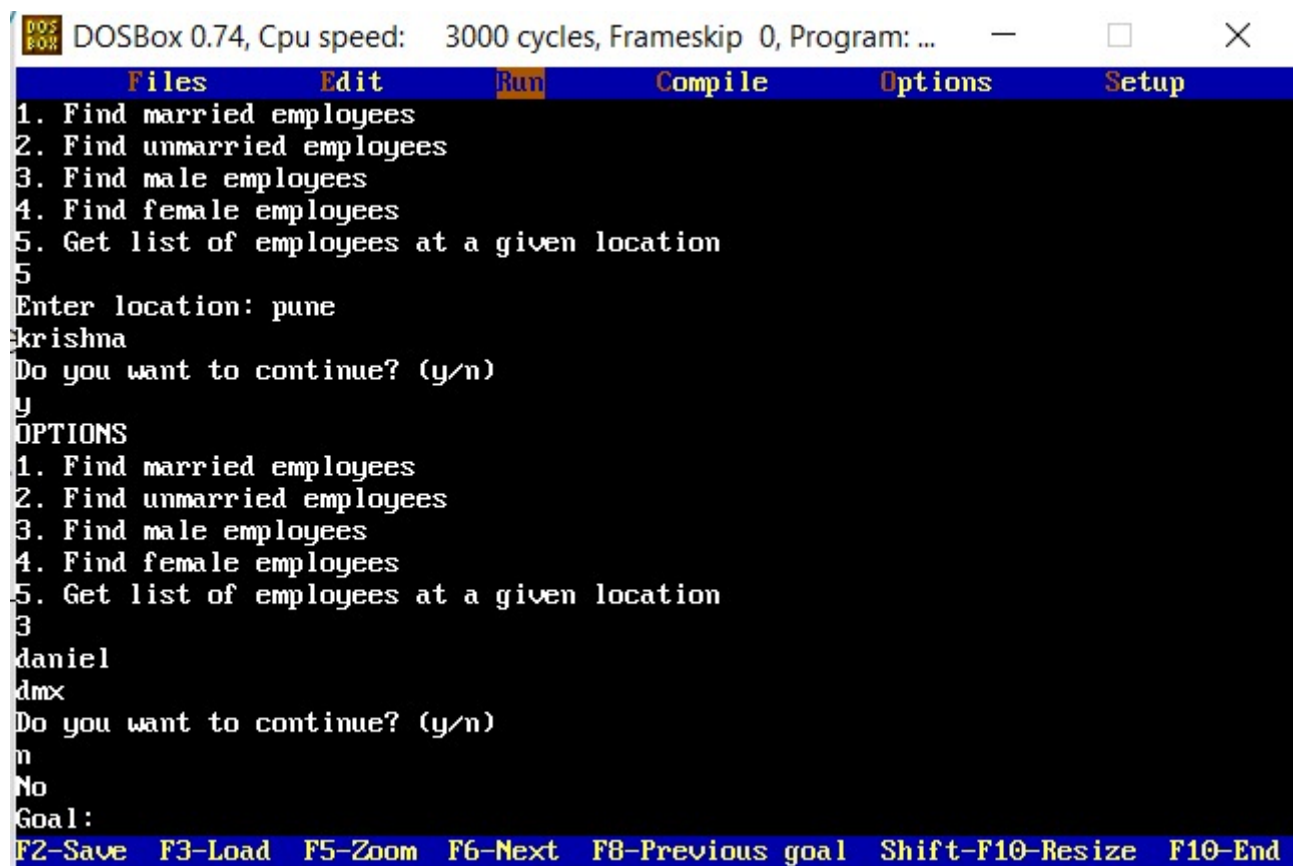
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Aim :- WAP for using Input, Output and fail predicates in prolog

1. Code

```
domains
    name,status,city=symbol
predicates
    go
    marital_status(name,status)
    male(name)
    female(name)
    location(name,city)
    rule(integer)
    continue(symbol)
clauses
    go:-
        write("OPTIONS \n"),
        write("1. Find married employees \n"),
        write("2. Find unmarried employees \n"),
        write("3. Find male employees \n"),
        write("4. Find female employees \n"),
        write("5. Get list of employees at a given location\n"),
        readint(X),
        rule(X),
        write("Do you want to continue? (y/n) \n"),
        readln(Y),
        continue(Y).
    rule(1):- marital_status(Y,married),write(Y),nl,fail.
    rule(1).
    rule(2):- marital_status(Y,unmarried),write(Y),nl,fail.
    rule(2).
    rule(3):- male(Y),write(Y),nl,fail.
    rule(3).
    rule(4):- female(Y),write(Y),nl,fail.
    rule(4).
    rule(5):- write("Enter location: "),readln(Y),location(Z,Y),write(Z),nl,fail.
    rule(5).
    continue(y):- go.
    marital_status(daniel,married).
    marital_status(dmx,unmarried).
    marital_status(krishna,married).
    male(daniel).
    male(dmx).
    female(krishna).
    location(daniel,mumbai).
    location(dmx,delhi).
    location(krishna,pune).
```

2. Output



DOSBox 0.74, Cpu speed: 3000 cycles, Frameskip 0, Program: ...

Files Edit Run Compile Options Setup

1. Find married employees
2. Find unmarried employees
3. Find male employees
4. Find female employees
5. Get list of employees at a given location
5
Enter location: pune
krishma
Do you want to continue? (y/n)
y
OPTIONS
1. Find married employees
2. Find unmarried employees
3. Find male employees
4. Find female employees
5. Get list of employees at a given location
3
daniel
dmx
Do you want to continue? (y/n)
n
No
Goal:
F2-Save F3-Load F5-Zoom F6-Next F8-Previous goal Shift-F10-Resize F10-End