

1. Write a Prolog program with FName, SName, Sex, Age and Occupation

```
person(frances, wilson, female,28,architect).
person(fred, jones,male,62,doctor).
person(paul, smith, male,45,plumber).
person(martin, williams, male,23,chemist).
person(mary jones, female, 24, programmer).
person(martin, johnson,male,47,solicitor).
man(A):-person(A,B,male, C, D).
```

Program :

% Facts

```
person(frances, wilson, female, 28, architect).
```

```
person(fred, jones, male, 62, doctor).
```

```
person(paul, smith, male, 45, plumber).
```

```
person(martin, williams, male, 23, chemist).
```

```
person(mary, jones, female, 24, programmer).
```

```
person(martin, johnson, male, 47, solicitor).
```

% Rule

```
man(A) :- person(A, _, male, _, _).
```

% Queries

% Example usage:

```
% ?- man(fred).
```

```
% Output: true.
```

```
% ?- man(frances).
```

% Output: false.

% ?- man(Person).

% This query will return all men and their details.

% ?- man(martin).

% Output: true.

Output :

?- man(fred).

% Output: true.

?- man(frances).

% Output: false.

?- man(Person).

% This will return all men and their details.

?- man(martin).

% Output: true.