1. Write a Prolog program for forward Chaining As per the law, it is a crise for at American to sell weapons to hostile nations Country A. an enemy of America, has some missiles, and all the missiles were sold to it by Robert, who is an American citizen. Prove that "Robert is criminal."

Program:

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% Facts
american(robert).
hostile_nation(country_a).
missiles(country_a).
sold_to(robert, country_a).

% Rules for forward chaining
criminal(X) :- american(X), sells_weapons(X, Y), hostile_nation(Y).
sells_weapons(X, Y) :- american(X), missiles(Y), sold_to(X, Y).
% Query to check if Robert is a criminal
?- criminal(robert).
```

Output:

?- criminal(robert).

% Output: true.