```
2 frame(mammal, [hair(yes), warmBloded(yes), reproduction(birth), wings(no)]).
 frame(bird, [hair(no), warmBloded(yes), reproduction(egg), wings(yes)]).
 4 frame(reptile, [hair(no), warmBloded(no), reproduction(egg), wings(no)]).
 7 frame(dolphin, [legs(0), habitat(water), movement(swim), flies(no)]).
 8 frame(eagle, [legs(2), habitat(land), movement(flies) , flies(yes)]).
 9 frame(turtle, [legs(4), habitat(land), habitat(water), movement(crawl), flies(no)]).
12 inherits_from(dolphin, mammal).
inherits_from(eagle, bird).
14 inherits_from(turtle, reptile).
    has(Animal, Value):- frame(Animal, Values), member(Value, Values).
18 has(Animal, Value):- inherits_from(Animal, X), frame(X, _), has(X, Value).
21 member(Value, [Value|_]).
22 member(Value, [X|Y]):- member(Value, Y).
25 mammal(X):- has(X, hair(yes)), has(X, warmBloded(yes)).
26 bird(X):- has(X,wings(yes)), has(X, reproduction(egg)).
27 reptile(X):- has(X, movement(crawl)), has(X, warmBloded(no)).
30 animal_type(X,Y):-(Y = mammal , mammal(X)); (Y = bird, bird(X)); (Y = reptile, reptile(X)).
```

```
SWI-Prolog (AMD64, Multi-threaded, version 9.3.13)
File Edit Settings Run Debug Help
Welcome to SWI-Prolog (threaded, 64 bits, version 9.3.13)
SWI-Prolog comes with ABSOLUTELY NO WARRANTY. This is free software.
Please run ?- license. for legal details.
For online help and background, visit https://www.swi-prolog.org For built-in help, use ?- help(Topic). or ?- apropos(Word).
Warning: c:/users/mohdj/desktop/uob/prolog/example100.pl:22:
Warning: Singleton variables: [X] % c:/Users/mohdj/Desktop/UOB/PROLOG/example100.pl compiled 0.00 sec, 17 clauses
?- mammal(dolphin).
true .
?- bird(eagle).
true .
?- reptile(turtle).
true .
?- reptile(eagle).
?- has(dolphin,habitat(X)).
X = water ,
?- has(turtle,movement(X)).
X = crawl .
?- has(eagle,flies(X)).
X = yes .
?- has(eagle,legs(X)).
X = 2
?- animal_type(turtle,X).
X = reptile .
?- has(dolphin,warmBlooded(X)).
X = yes ,
?- has(dolphin,movement(X)).
X = swim .
```