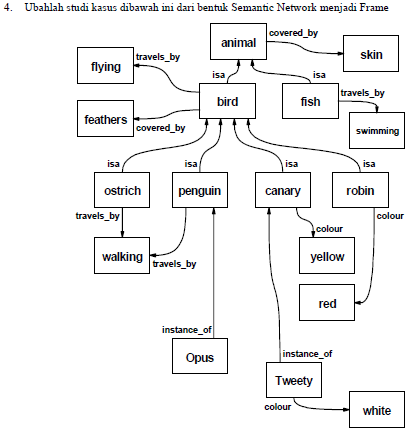
**Hilman Abu Dzarrin**

**D4 LJ PJJ**

**Tugas 3 Representasi Pengetahuan Semantic Network**

**Soal**



**Jawaban**

1. Frame

white

is a

ako

tweety

is a

yellow

is a

red

ako

a kind of

a kind of

Opus

walking

is a

is a

robin

canary

is a

penguin

is a

ostrich

is a

feathers

bird

flying

a kind of

swimming

is a

fish

is a

skin

animal

head

2. Prolog

isa(fish,animal).

isa(bird,animal).

isa(robin,bird).

isa(canary,bird).

isa(penguin,bird).

isa(ostrich,bird).

covered\_by(animal,skin).

covered\_by(bird,feathers).

travels\_by(fish,swimming).

travels\_by(bird,flying).

travels\_by(ostrich,walking).

travels\_by(penguin,walking).

colour(robin,red).

colour(canary,yellow).

colour(tweety,white).

instance(opus,penguin).

instance(tweety,canary).

subclass(Class1,Class2) :- isa(Class1,Class2).

subclass(Class1,Class2) :- isa(Class1,Class3), subclass (Class3,Class2).

aninstance(Objek,Class) :- instance(Objek,Class).

aninstance(Objek,Class) :- instance(Objek,Class1), subclass (Class1,Class).

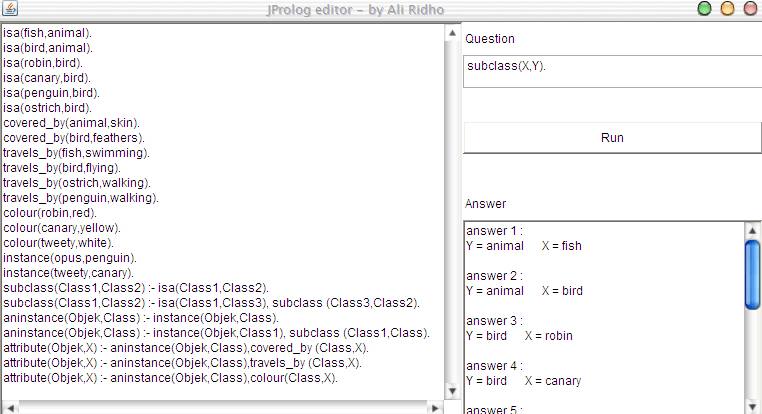
attribute(Objek,X) :- aninstance(Objek,Class),covered\_by (Class,X).

attribute(Objek,X) :- aninstance(Objek,Class),travels\_by (Class,X).

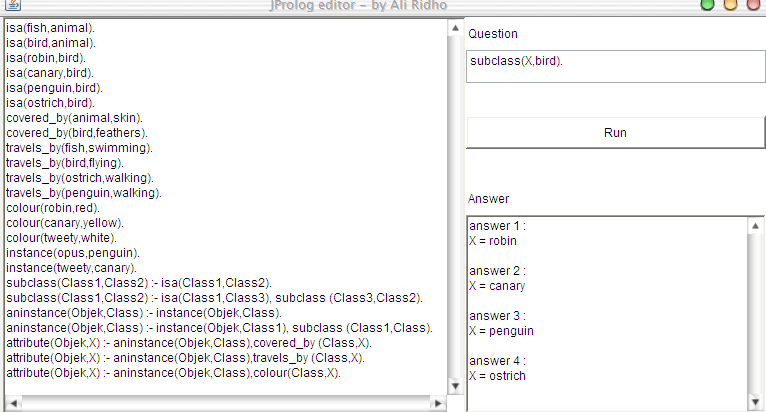
attribute(Objek,X) :- aninstance(Objek,Class),colour(Class,X).

3. Screenshoot

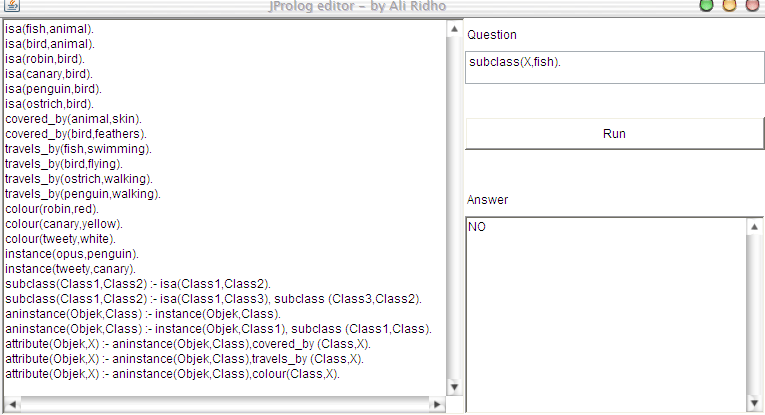
- Subclass



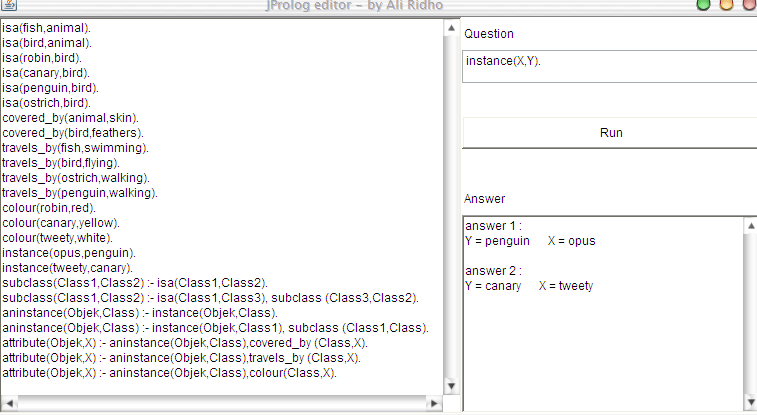
-Subclass bird



-Subclass fish



-Instance



-Attribute

