

Exercise 1.2

1 : Unknown

Rex Rodney is superhorse who has won Eliteloppet race But there is not any information provided that either Rex Rodney is male or female.

2: Yes

Kjell Håkonsen is a trainer of Rex Rodney and Rex Rodney has won Elitloppet 1986 race. It is given that Every trainer had interest in race if a horse he-she trains completed in race. So it is concluded that Kjell Håkonsen has interest in :Elitloppet 1986.

3: Unknown

Rex Rodney is superhorse, but there is not any information provided about either it is coldblooded or warm blooded.

4: Unknown

Steady Read Go is a female horse but this information is not provided that this horse is warmblooded.

5: Unknown

Steady Read Go is a female horse but this information is not provided that this horse is coldblooded.

6: Unknown

Steady Ready Go compete in monte race but it is not provided either it competes in Elitloppet 1986.

Exercise 3.2

3.2 Annotation properties In OWL, `rdfs:label` is a predefined annotation property, see <http://www.w3.org/TR/owl-ref/#Annotations>. Explain what an annotation property is and why they are useful.

Solution:

Annotation properties are used to place annotations on individuals, class names, property names, and ontology names. Ontology properties relate ontologies to other ontologies, in particular being used for importing information from other ontologies.

The 3 types of annotation:

- i. Descriptive
- ii. Summary
- iii. Evaluation

Why they are useful?

They are used to provide supplement information about a program. They help to associate metadata (information) to the program elements i.e. instance variables, constructors, methods, classes, etc