

# Protégé Lab FAQ

## CO7216 Semantic Web

### 1 How to launch protégé in MSc lab?

Boot into Linux, open a terminal window then type the following commands:

```
cd /usr/local/Protege_3.3.1
./Protégé
```

### 2 Why can't I save my protégé project and owl file?

You don't have privileges to save your project and owl file to default path /usr/local, instead, you should save both \*.ppj and \*.owl in /s\_home/[you\_id]

### 3 Can I install protégé on my laptop or desktop? Is it possible to run Protégé on Windows at home?

Yes, Protégé is open source and written in Java thus it can be installed on most platforms includes windows. To make sure you have 'reasoning' menu, you should download the latest Protégé 3.4 beta from <http://protege.stanford.edu/download/prerelease/full/>

### 4 I have problem with my Linux account, what should I do?

If you are unable to login to Linux, try "changeme" as your initial password first, once logged in, you can use 'passwd' command to change your password .If you still have any technical problems regarding your account (e.g. account expired, desktop can not be displayed), please email [faults@mcs.le.ac.uk](mailto:faults@mcs.le.ac.uk) with the detail of your problem.

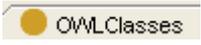
### 5 How to create new class for my ontology?

Switch to  then you can add new subclass of owl:Thing or any existing classes.

### 6 How to add new Property? How to specify domain and range?

There are several ways to create new Property, you can either

#### Way 1:

In , choose a class that you wish to used as **domain** of this property, switch to 

#### Tips:



: add new **DatatypeProperty**. (green)



: add new **ObjectProperty**. (blue)



: add or remove existing Propertys

#### Way 2:

In **Properties**, you can create new DatatypeProperty or ObjectProperty, and then select a given class or data type as **domain** and **range**.

## 7 I am confused about how to express Domain/Range in Protégé, can you explain again?

You probably need to read the lecture note again carefully,

This diagram may help you remember how to express different concepts that you learnt during the lecture.

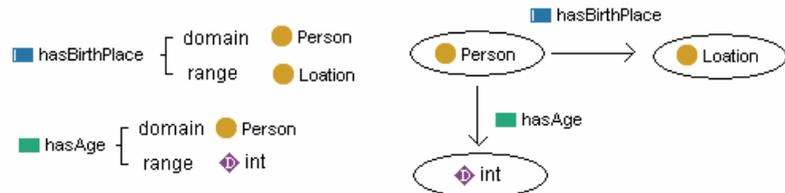
### Icon in Protege

● Class

■ Object Property (blue)

■ Data Type Property (green)

◆ Primitive Date Type

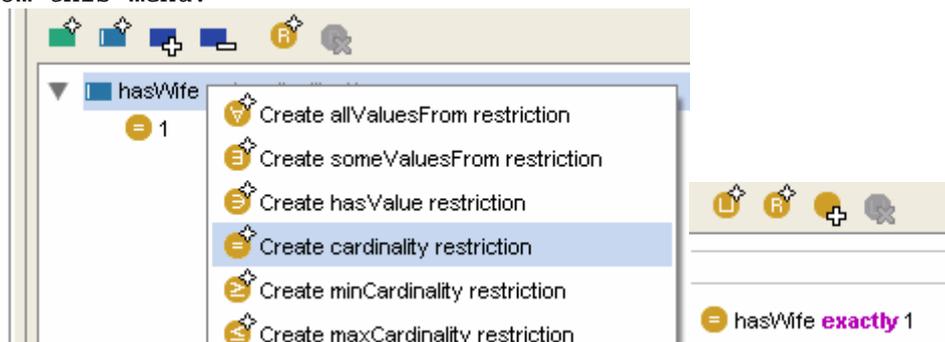


## 8 Why can't I add new property, the property is highlight as red?

That means the property you define already exists in your ontology, remember deleting a property from class editor won't usually delete this property from your ontology. In this case, you need to switch to **Properties**, find and delete the property first.

## 9. How to define restriction in Protégé, for example how to specify cardinality restriction?

For example one man can only have one wife (I mean in UK), you can switch to **Properties View**, then right click at hasWife property and select an option. Similarly, you can specify other restrictions from this menu.



Alternatively, you can also add restriction from Logic View. (right)

## 10. How does reasoner work in Protégé?

There's an email regarding FaCT++ Reasoner sent on 17<sup>th</sup> Feb.

## 11. This guide is too simple, where can I find a better Protégé tutorial?

"A Practical Guide To Building OWL Ontologies Using The Protege-OWL"

<http://www.co-ode.org/resources/tutorials/ProtegeOWLTutorial.pdf>