[Music]

So welcome to the last lecture on the fifth week machine learning course, as for every other week this lecture is focused on some introduction to the assignments for the week, and also to introduce some of the further readings. As always we have two kinds of assignments when you group one questions based on video lectures and group 2 which are also based on the extra recommended material, but let's go now quickly to group one and so you'll find that there are slightly more questions there are seven questions you'll find this time instead of five, and there are a couple of questions, two questions actually on explanation based learning one is a little more of a problem solving character, and the second question is I would say more of a recall character. So if we go on there are there is one question on inductive logic programming which is actually an example related to the generalization specialization of operations in in the inductive logic programming search, and then there are actually three questions on reinforcement learning, and two of them are more problem solving character, question five is a question related to dynamic programming and question six is related to the model free Monte carlo simulation model. Finally there is more very called question oriented question on case based reasoning.

Concerning further readings the volume your articles are recommended. For explanation based learning it's a pretty neutral and straightforward article on the subject from 1987 by Haym Hirsh, for inductive logic programming I suggested an article that highlights applications rather than theory by Ivan Bratko, Stephen Muggleton are two of the key persons and the development of this field for reinforcement learning it's a later overview article of reinforcement learning. For case based reasoning you get a pretty well-known article by Janet Kolodner who was been instrumental in the development of that area, for Bayesian networks you get a reference to a very substantial book in on the matter you shouldn't feel you should learn a read that, but if you're interested in that area which is not very well covered this week feel free to delve into that book. For on the based clustering there is very classical work by Douglas Fisher on this cobweb system.

So as many times earlier the questions in group two or more recall character, actually also here last questions on the themes that has been prominent this week, there are also some questions of those sub themes that were not really well covered such as Bayesian networks and model-based clustering okay. So by this we are finished for this week. Thanks for your

attention the next week of the course will have the following three artificial neural networks thank you very much.