1. **Describe in your own words what is intelligence and how can you recognize it.**

Intelligence is the ability to draw a logic reasonable conclusion/output through a process of rational thinking based on the given information and the current environment. You could test intelligence by given the "intelligent agent" a specific set of questions/input and evaluating that the thrown conclusions/output are reasonable.

2. **Search for competitions related to A.I. e.g., DARPA challenges or ROBOCUP. Explain briefly what they are and how they relate to A.I. (What techniques they use? Do they show intelligence? What is their real purpose?)**

The "Netflix Prize". This competition was a competition for the best collaborative filtering algorithm to predict user ratings for films without any other user information regarding films. The competition was opened for all public and offered a 1m USD price that was given to BellKor's Pragmatic Chaos Team for improving Netflix's algorithm by 10.06% on predicting ratings. This competition relates to AI because it involves an algorithm that needs to do a prediction and draw the best possible conclusion according to the given input. Even though there is no 100% accurate answer for predicting the best films to millions of users, this algorithm has to do the best to be as close as possible to the best answer to a specific user.

3. **Search for a video of IBM Watson and analyse what it can do. Could you do this with regular programming – yes or no? Could you consider Watson intelligent?**

Watson is a super computer able to interpret Big Data and draw conclusions through the process of observing, interpreting, evaluating and Decision Making. It was able to beat the champions of the game "Jeopardy" with an outstanding performance. The game consisted on a Question Answer dynamic on questions of any kind of topic, on which Watson dominated.

You can't do this with regular programming, you would need to apply machine learning and big data analysis besides lots of other advanced programming technics and a very powerful processing unit.

4. **Search for 2 everyday apps that you use that have A.I. components. Describe how they work. Are they intelligent?**

Siri- Apple's #1 personal assistant. Siri will understand what you say and do it for you… well as long as she is capable which means just assisting you on your mobile device & laptop usage. Siri can do things as setting an alarm for you or make a reservation to a Restaurant. She (or he? *It) is able to learn from you and improve by adapting to your preferences and way of communicating. It may not be the perfect AI, but Siri is definitely intelligent and can do or tell you things for you don't even know.

Netflix- As stated before, Netflix uses a film recommendation system that is composed of a couple prediction algorithms to suggest new content to their users. This algorithms interpret all kinds of data regarding user behavior and film ratings and throw out the best recommendation they can find. This is

also definitely intelligent since it has to adapt to the environment and throw out logical conclusions based on previously learned information.