Week 1 tutorial

1. The fundamental difference between the different paradigms of artificial intelligence (AI) is to either think or behave like a human (act rationally), or, to think and behave from a pre-set standard (to strictly follow and only follow certain instructions). Generally, rational thinking is more desirable, as it achieves similar results to a pre-set standard, but is able to react and learn i.e.; more intelligent.
2. Driverless cars, web search:

A: For driverless cars it would be beneficial to act rationally, as unexpected situations can occur on the roads that if specifically only following the road laws, cannot be accounted for e.g., clearly seeing that someone is going to run a red light. For web search, the paradigm would be to think like a human, as the goal would be to suggest something that a human would want to see based on their searching history. B: To solve the problem of rational activity for self-driving cars, driver safety and pedestrian safety should be put on the forefront, as it is when these are threatened that rational thinking is needed. Therefore, the AI must prioritize surrounds and collision safety.

1. They advance the state of art of AI by showing how far its influence can spread. The general consensus of AI is that it relates purely to machinery and basic tasks, by constructing these tasks, it shows how vast the range is and the possibilities there are. They potentially hurt the field by directing time away from important AI developments.