Artificial Intelligence

Introduction

What is the definition of AI?

What do you think?

- ARTIFICIAL ?

- INTELLEGENCE ?

Finding various paths to university, home, office, market.

ARTIFICIAL INTELLIGENCE

- The term got coined by John McCarthy in 1956 when a group of scientists began exploring how computers could solve problems on their own..

- Definition: Artificial Intelligence is the study of how to make computers do things, which, at the moment, people do better.

- Artificial Intelligence is a way of making a computer, a computer-controlled robot, or a software think intelligently, in the similar manner the intelligent humans think.

- how human brain thinks, and how humans learn, decide, and work while trying to solve a problem, and then using the outcomes of this study as a basis of developing intelligent software and systems.
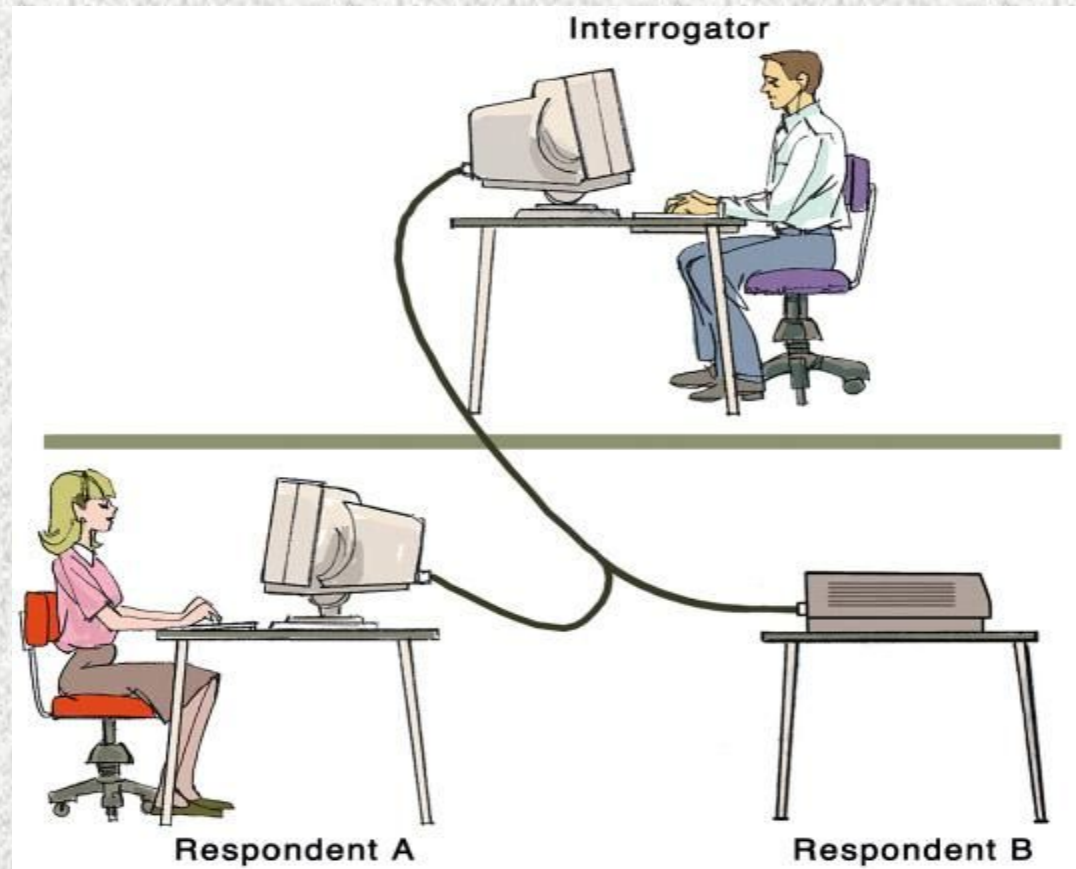
Difference between Human and Machine Intelligence

- Humans store and recall information by patterns, machines do it by searching algorithms. For example, the number 40404040 is easy to remember, store and recall as its pattern is simple.

- Humans can figure out the complete object even if some part of it is missing or distorted; whereas the machines cannot correctly.

Can Machines THink?

Turing Machine:

The human agent cannot reliably identify which dialogue is with the computer due to
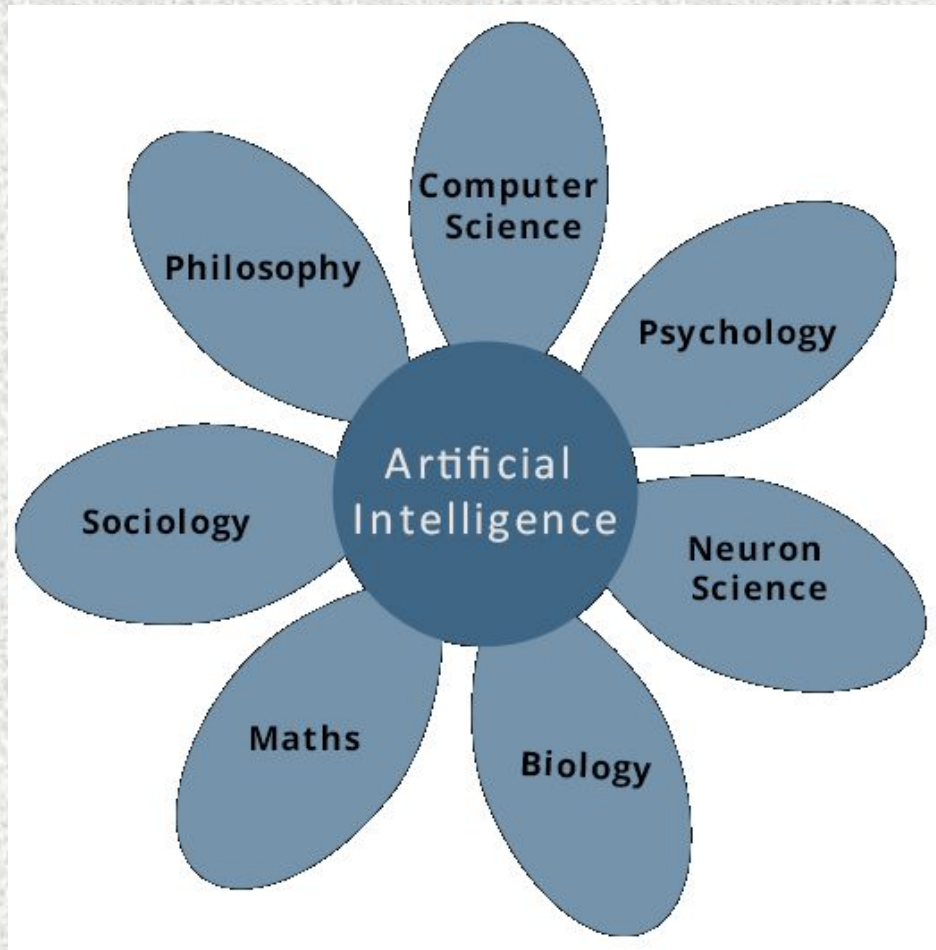
its kind of intelligence.

Goals of AI

- To Create Expert Systems: The systems which exhibit intelligent behavior, learn,demonstrate, explain, and advice its users.

- To Implement Human Intelligence in Machines: Creating systems that understand, think, learn, and behave like humans.

What Contributes to AI?

Out of the following areas, one or multiple areas can contribute to build an intelligent system.

Why Study AI?

- Intelligent computer would have huge impact on civilization.
- AI cited as "field I would most like to be in" by scientists in all fields.
- AI provides good results for Computer Science
- AI provides good results for other fields
- Computers make good experimental subjects
- Personal motivation: mystery

Applications of AI

- 1.Finance
- 2.Medical
- 3.Industries
- 4.Telecom
- 5.Transport
- 6.Entertainment
- 7.Pattern Recognition
- 8.Robotics
- 9.Data Mining