

- Garry Kasparov → is a chess leader who faced IBM's Deep Blue in a history match in 1997, showcasing the intersection of chess AI.
- ↳ Deep Blue is created IBM marked a significant milestone by defeating Kasparov, demonstrating the power of AI in strategic decision making.
- ↳ Alan Turing and John McCarthy laid the foundation for AI with Turing's work on computation and McCarthy's development of LISP Programming language.
- ↳ Geoffrey Hinton is pioneering figure in deep learning, contribution to the advancement of neural networks and their application in AI. Go is a complex board game and Lee Sedol, showcasing AI's ability to challenge human intuition.
- Atlas by Boston Dynamic is a cutting edge humanoid robot, highlighting advancement in robotic mobility.
- Charles Babbage and Ada Lovelace are early computing visionaries, with Babbage designing with analytical engine and Lovelace writing with first computer algorithm.
- Mars Rover → exemplifies NASA exploration of the Red Planet, collecting valuable data about Mars geology.
- Aristotle ancient Greek philosopher made profound contributions to various fields including philosophy, science, and ethics, laying the groundwork for western thought.

Q Reason of two AI's winter?

- (1) over hyped expectation.
- (2) LACK of Funding
- (3) Technological limitations.

Q challenges related to AI?

- ↳ Data Privacy
- ↳ Bias and Fairness
- ↳ Transparency
- ↳ Ethical concern
- ↳ lack of Diversity

Q AI Paradigm to solve problem

Problem understanding

↓  
Data collection and preprocessing

↓  
Algorithm Selection

↓  
Model Development

↓  
Evaluation and Validation

↓  
Scalability

↓  
Continuous Learning

↓  
Integration

↓  
Collaboration

↓  
Feedback Loop