What is Watson?

- Watson is an artificial intelligence system capable of answering questions in natural language
- Named after IBM's first CEO: Thomas J. Watson

History

- Challenges:
  - Understanding Questions
    - Awkward syntax
    - Includes puns
  - Had to answer quickly!
Current State

Deep Blue

Machine Learning and Psyche
Watson Wins....Eventually

Watson Today
How Watson Works Now

Software and Hardware

Software
• Watson uses
  • IBM’s DeepQA software
  • Apache UIMA framework

Hardware
• The system is workload-optimized, integrating massively parallel POWER7 processors
  • has 2,880 POWER7 processor threads
• Uses a cluster of ninety IBM Power 750 servers
  • each uses a 3.5 GHz POWER7 eight-core processor, with four threads per core
Watson is Everywhere!

• Used in:
  • Healthcare
  • Metallurgy
  • Fashion
  • Cooking
  • Financial Analysis
  • Sports
  • Retail

Sources

• https://www.youtube.com/watch?v=_Xcmh1LQB9I
• https://www.youtube.com/watch?v=4svcCJJ6ciw
• https://www.youtube.com/watch?v=yXcBlr9Y9CI
• https://www.computerworlduk.com/galleries/it-vendors/innovative-ways-companies-are-using-ibm-watson-3585847/
• https://en.wikipedia.org/wiki/Watson_(computer)#cite_note-AIMagazine-11