# Questions | Chapter 1

1. What are the four main approaches to AI?
2. What is the difference between thinking humanly and rationally?
3. What is the difference between acting humanly and rationally?
4. Define Turing test.
5. Why was the Turing test designed?
6. What is Loebner Prize competition?
7. What is the difference between the total Turing test and Turing test?
8. What are the three ways for us to understand how we think?
9. What is the cognitive modeling approach to AI?
10. Give an example of syllogisms.
11. By _____, programs existed that could, in principle, solve any solvable problem described in logical notation.
12. What are the two advantages of defining AI as building rational agents?
13. What the two technologies to measuring brain activity?
14. How many neurons does a human brain have?
15. What was the expert system R1 used for at DEC in 1980s?
16. What is human-level AI (HLAI)?
17. What is artificial general intelligence (AGI)?
18. Give an example success story of AI based on the availability of large datasets.
19. Do you want to focus your career on algorithms or data?
20. Give three examples of the state-of-the-art AI in various fields.