# Turing Machine Exercise

1. Why are Turing machines important in computing?
2. What is a Universal Turing Machine?
3. Why is a Turing machine considered to be an interpreter?
4. Why is a Turing machine more powerful than a real computer?
5. What is the relation between an algorithm and a Turing machine?
6. Why can a Turing machine not solve the Halting problem?
7. What are the limitations of a Turing Machine?