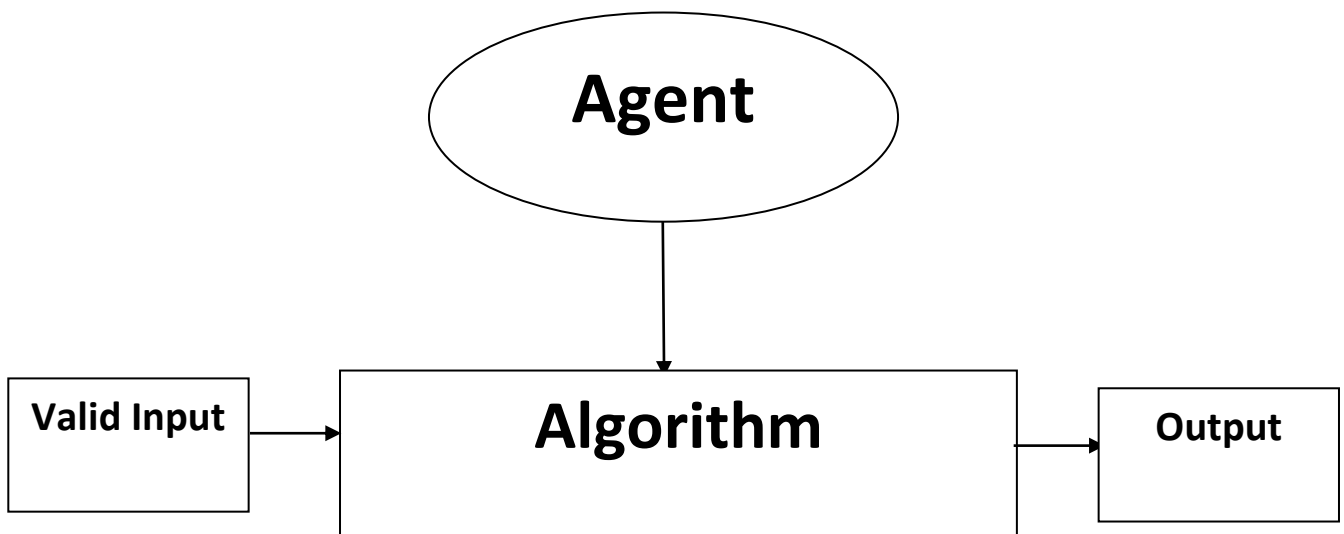


The Overview of Algorithm



1. Agent: It can be a human or a computer, is the performer. An ***agent*** is just something that acts. In terms of computer: Computer operate autonomously, perceive their environment, persist over a prolonged period, adapt to change, and create and pursue goals. A ***rational agent*** is one that acts so as to achieve the best outcome or, when there is uncertainty, the best outcome.

2. Algorithm: An ***algorithm*** is a sequence of unambiguous for solving a problem, i.e., for obtaining a required output for any legitimate input in a finite amount of time. Algorithm refers to the steps to be carried out in order to accomplish a particular task.

Three things to be considered while writing algorithm:
Input, process, and **output**.

The ***input*** that we give to an algorithm is ***processed*** with the of the procedure and finally returns the ***output***.