

EXP NO: 02

CANDIDATE ELIMINATION ALGORITHM

DATE: 28/04/2023

Aim:

For a given set of training data examples stored in a .csv file, implement and demonstrate the candidate - elimination algorithm in python.

Algorithm:

1. Import the dataset using .csv reader()
2. Find the total no. of attributes present in the dataset.
Store this value in a variable (say, num_attributes)
3. Declare two lists to store specific & general hypothesis.
4. Initialize the specific hypothesis to '0's equal to the no. of attributes.
5. Similarly, initialize the general hypothesis to '?'s equal to the no. of attributes.
6. Implement the main algorithm.
Iterate through all instances
If an instance is positive:
 generalize the specific hypothesis
If an instance is negative:
 make the general hypothesis more specific
7. Display both general and specific hypothesis.
8. END