**Experiment 1:**

Implement and demonstrate Find-S algorithm for finding the most specific hypothesis based on a given set of training data samples. Read the training data from a .CSV file.

**#Implementation**

import pandas as pd

import numpy as np

data = pd.read\_csv('/content/data.csv')

print('Data\n',data)

concepts = np.array(data)[:,:-1]

print('Conceptes\n',concepts)

target = np.array(data)[:,-1]

print('Target\n',target)

def train(con, tar):

    for i, val in enumerate(tar):

        if val == 'yes':

            specific\_h = con[i].copy()

            break

    for i, val in enumerate(con):

        if tar[i] == 'yes':

            for x in range(len(specific\_h)):

                if val[x] != specific\_h[x]:

                    specific\_h[x] = '?'

                else:

                    pass

                    return specific\_h

print('find-s\n',train(concepts, target))

