**Assignment No : 1**

**Assignment Name : Implement the Find-s Inductive learning Algorithm.**

import pandas as pd  
import numpy as np  
data=pd.read\_csv("find-s.csv")  
print(data,"n")  
  
d=np.array(data)[:,:-1]  
print("n The attributes are:",d)  
  
target=np.array(data)[:,-1]  
print("n The target is:",target)  
  
def train(c,t):  
 for i, val in enumerate(t):  
 if val=="Yes":  
 specific\_hypothesis=c[i].copy()  
 break  
 for i, val in enumerate(c):  
 if t[i]=="Yes":  
 for x in range(len(specific\_hypothesis)):  
 if val[x]!=specific\_hypothesis[x]:  
 specific\_hypothesis[x]='?'  
 else:  
 pass  
 return specific\_hypothesis  
print("n The final hypothesis is:", train(d,target))

**Output :**

