**Assignment No: 1**

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

import pandas as pd  
import numpyas 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)  
  
deftrain(c,t):  
for i, valin enumerate(t):  
if val=="Yes":  
specific\_hypothesis=c[i].copy()  
break  
 for i, valin 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 :**

