1 (1)	The Late of the la
TITLE: J. S Algorithm	Expt. No. :
	Date: 16.09.2020.
program?	HARSH RJAIN
import csr.	136174031
h= [['(',','), -1:, '-1:, -1:, -1:]]	
examples=()	1.1
with open ('Training-enamples.csv') as a readesv = csv. reader (esv-file, de	1: 1- · ·)
reades v = csv. reader (esv-file, al	unus ,)
example = cost (12 20 cst)	
print ("The given training examples are: ")	
for i in examples! print (i)	0
brint (" 1 tre braining examples are:	
for i in examples!	
y i(-1)= 'Yes':	
print(i)	
rint ("Steps of Firds Olgorithm are: ")	
rint (h)	
05-e=17	
4i(-1) = 14.1	
viin examples: if == 'yes': poère = example [:-1]	
	Marks:

Staff:

for x is example:

If x[-1]=='Yes'

W= examples fi')

print (als:-1])

for i is traye (0,6):

If h(i)!= examples fi')(i):

che:

Gr=1

ehe:

Continue.

print (J'The most quific hyps thesis: Eh [:-1]3")

Outpul! The tre training examples are? ["Summy", "warm", "Normal", "Shing", "warm", "Some; "yes"]
['Samy', 'warm', 'Shing', 'warm, 'Same; 'ves']
['Summy', 'warm', 'shigh', 'Shing', 'loo!, 'Change', 140] Steps of Fird-S Algorithm are: STI, 11: 11: 11: 11: 11: 11: 17] ['Sunny', 'warm', 'Normal', 'Shrong', 'warm', 'Same']
['Sunny', 'warm', '?', 'Shrong', '?', '?']
['Sunny', 'warm', '?', 'Shrong', '?', '?'] he most specific hypothesis: ['Surry', 'werm', '?', 'Strong', '?']

Find-S Algorithm

By Harsh R - 1BG17CS031

1. Program:

```
import csv
h = [['%', '%', '%','%','%','%']]
examples = []
with open('Training_examples.csv') as csv_file:
    readcsv = csv.reader(csv_file, delimiter = ',')
    examples = list(readcsv)
print("The given training examples are: ")
for i in examples:
    print(i)
print("The positive training examples are: ")
for i in examples:
    if i[-1] == 'Yes':
        print(i)
print("Steps of Find-S algorithm are: ")
print(h)
#initialise h to the most specific hypothesis
pos_e = []
for i in examples:
    if i[-1] == 'Yes':
        pos_e = examples[:-1]
for x in examples:
    if x[-1] == 'Yes':
        j = \emptyset
```

```
h = examples[j]
print(h[:-1])
for i in range(0,6):
    if h[i] != examples[j][i]:
        h[i] = '?'
    else:
        j += 1
else:
    continue
print(f"The most specific hypothesis: {h[:-1]}")
```

2. Output

