
	Experience	Qualification	Skill	Age	Hired
0	Yes	Masters	Python	30	Yes
1	Yes	Bachelors	Python	25	Yes
2	No	Bachelors	Java	28	No
3	Yes	Masters	Java	40	Yes
4	No	Masters	Python	35	No

Most Specific Hypothesis: ['Yes' '?' '?' '?']

```
In [14]: 1 import pandas as pd
2 data=pd.read_csv(r"/home/cg20/Documents/4JK22CS033/viva4.csv")
3 print(data)
```

```
In [15]: 1 def find_s_algorithm(data):
2     attributes=data.iloc[:, :-1].values
3     target=data.iloc[:, -1].values
4     for i in range(len(target)):
5         if target[i]=="Yes":
6             hypothesis=attributes[i].copy()
7             break
8     for i in range(len(target)):
9         if target[i]=="Yes":
10            for j in range(len(hypothesis)):
11                if hypothesis[j]!=attributes[i][j]:
12                    hypothesis[j]='?'
13    return hypothesis
14 final_hypothesis=find_s_algorithm(data)
15 print("Most Specific Hypothesis:", final_hypothesis)
16
```

	Sky	AirTemp	Humidity	Wind	Water	Forecast	Enjoy	Sport
0	Sunny	Warm	Normal	Strong	Warm	Same		Yes
1	Sunny	Warm	High	Strong	Warm	Same		Yes
2	Rainny	Cold	High	Strong	Warm	Change		No
3	Sunny	Warm	High	Strong	Cool	Change		Yes

Most specific hypothesis: ['Sunny' ' Warm' '?' 'Strong' '?' '?']
