

06-11-2024

- 2 Write a pandas program to display the ID for those employees who did two or more jobs in the past.

Aim:

Import the pandas library to write a pandas program to display the employee IDs for those employees who have done two or more jobs in the past.

Pseudo Code:

- Import the pandas library for data manipulation.
- Load the job history data into a Data Frame. assume the data is in a csv file.
- Select Employee ID where the count of jobs is two or more.
- Display the Employee IDs.

21
2

Result

The following pandas python program has been executed successfully.

Sample Input

Employee-ID	start-Date	End-Date	Job-ID	Department-ID
102	2001-01-13	2006-07-24	IT-PROG	60
101	1997-09-27	2001-10-27	AC-ACCOUNT	110
101	2001-10-28	2005-03-15	AC-MGR	110
201	2004-02-17	2007-12-19	MN-REP	20
176	2006-03-24	2006-12-31	SA-REP	80
176	2007-01-01	2007-12-13	SA-MAN	80

Sample output

Employee-ID

101

176



Project

DSA0514-Query_Processing

- > .venv
 - > bin
 - > lib
 - > share
- ∅ .gitignore
- ☒ pyvenv.cfg

- 🐍 1. Write a Pandas program
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- 🐍 4. Write a Pandas program
- 🐍 5. Write a Pandas program
- 🐍 6. stock prices of Alphabet
- 🐍 7. Write a Pandas program
- 🐍 8. Write a Pandas program
- 🐍 9. Write a Pandas program

s program to select distinct department id from employees file..py

2. Write a Pandas program to display the ID for those employees who did two or more jobs in the past..py

```
1 import pandas as pd
2
3 data = {
4     'EMPLOYEE_ID': [102, 101, 101, 201, 114, 122, 200, 176, 176, 200],
5     'START_DATE': ['2001-01-13', '1997-09-21', '2001-10-28', '2004-02-17', '2006-03-24', '2007-01-01', '1995-09-17', '2006-03-24', '2007-01-01', '2006-03-24'],
6     'END_DATE': ['2006-07-24', '2001-10-27', '2005-03-15', '2007-12-19', '2007-12-31', '2007-12-31', '2001-06-17', '2006-12-31', '2007-12-31', '2007-12-31'],
7     'JOB_ID': ['IT_PROG', 'AC_ACCOUNT', 'AC_MGR', 'MK_REP', 'ST_CLERK', 'ST_CLERK', 'AD_ASST', 'SA_REP', 'SA_MAN', 'AC_ACCOUNT'],
8     'DEPARTMENT_ID': [60, 110, 110, 20, 50, 50, 90, 80, 80, 90]
9 }
10
11 df = pd.DataFrame(data)
12
13 employees_with_multiple_jobs = df.groupby('EMPLOYEE_ID').filter(lambda x: len(x) >= 2)[['EMPLOYEE_ID']].unique()
14
15 print("Employees who did two or more jobs:", employees_with_multiple_jobs)
```

Run 2. Write a Pandas program to display the ID for those em... ×



```
"/Users/sunilshurajnthiyanandan/Documents/sunil_clg/Query Processing/DSA0514-Query_Processing/.venv/bin/python" /Users/sunilshurajnthiyanandan/Documents/sunil_clg/Query Processing
```

```
Employees who did two or more jobs: [101 200 176]
```

```
Process finished with exit code 0
```

