Experiment - 2

Aim: To execute Pandas program to display ID for employees who did two or more jobs in the past.

Pseudo Code:

1) Import pandas library as pd.

2) Create a dictionary called 'data' with the
   -> 'Employee_id'
   -> 'start_id'
   -> 'end_date'
   -> 'job_id'

3) Create dataframe 'df' using 'data' dictionary

4) store values in employee_job_count.

5) Extract & store values in emp_multiple_jobs &

Sample Input:

Employee database(Emp_id, start_date, job_id

Sample output:

Employee IDs did two or more jobs:
[200]

Result:

Thore the pandas programs to displ
for employee who did 2 or more jobs
executed successfully.

```python
import pandas as pd

data = {
    'EMPLOYEE_ID': [102, 101, 101, 201, 114, 122, 200, 176, 176, 200],
    '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', '2002-07-01'],
    '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', '2006-12-31'],
    'JOB_ID': ['IT_PROG', 'AC_ACCOUNT', 'AC_MGR', 'MK_REP', 'ST_CLERK', 'ST_CLERK', 'AD_ASST', 'SA_REP', 'SA_MAN', 'AC_ACCOUNT'],
    'DEPARTMENT_ID': [60, 110, 110, 20, 50, 50, 90, 80, 80, 90]
}

df = pd.DataFrame(data)
result = df['EMPLOYEE_ID'][df.groupby('EMPLOYEE_ID')['JOB_ID'].transform('count') > 1].unique()
print(result)
```

IDLE Shell 3.12.4

File Edit Shell Debug Options Window Help

```
Python 3.12.4 (tags/v3.12.4:8e8a4ba, Jun  6 2024, 19:30:16) [MSC v.1940 64 bit (
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/abhip/OneDrive/Documents/DSA05 LAB/program 1.py
[ 10  20  30  40  50  60  70  80  90 100 110 120 130 140 150 160 170 180
 190 200 210 220 230 240 250 260 270]
>>>
======= RESTART: C:/Users/abhip/OneDrive/Documents/DSA05 LAB/program 2.py ======
[101 200 176]
>>>
```