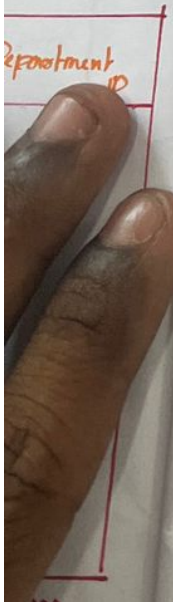
ID for those
the past.

ID of employee
the past based

pandas Dataframes
unique JOB_ID

th two or more

ut this



Sample output

Employees who held two or more Jobs

101

176

Results:-

The code is executed sucessfully and got the output.

3. write a pandas program to display the details of Jobs in descending sequence on Job title.

Aim:-

To display the details of all jobs ; sorted in descending order based on the Job title

Pseudo Code:-

→ Import the pandas library

→ Load the jobs data file into a pandas dataframe

→ Short the Dataframe by the JOB_TITLE Column in descending order

→ Display and selected Dataframe with all Colowns.

8/11/2024.

Mentor/HOD.

8

Sample input

Job-ID	Job-title	Min-Salary	Max salary
AD-PRES	President	20080	40000
AD_VP	Administration Vice president	15000	30000
FI-MGR	Finance Manger	8200	16000
SA_MAN	Sales Manager	10000	20080
PR_REP	Public Relations Representation	4500	10500

Sample output:-

The Job details Sorted in descending order by Job. title

Job-ID	Job_Title	MIN_Salary	MAX_Salary
SA-PRES	president	20080	40000
AD_VP	Administration Vice president	15000	30000
FI_MGR	Finance manger	8200	16000
SA-MAN	Administration vice president	15000	30000
PR_REP	president	20080	40000

Result:

The code is executed succesfully and got the output.

4. Write
histo
Specif
Aim
Sta
Visu
Ps

```python
import pandas as pd

data = {
    'JOB_ID': ['AD_PRES', 'AD_VP', 'AD_ASST', 'FI_MGR', 'FI_ACCOUNT', 'AC_MGR', 'AC_ACCOUNT',
               'SA_MAN', 'SA_REP', 'PU_MAN', 'PU_CLERK', 'ST_MAN', 'ST_CLERK', 'SH_CLERK',
               'IT_PROG', 'MK_MAN', 'MK_REP', 'HR_REP', 'PR_REP'],
    'JOB_TITLE': ['President', 'Administration Vice President', 'Administration Assistant',
                  'Finance Manager', 'Accountant', 'Accounting Manager', 'Public Accountant',
                  'Sales Manager', 'Sales Representative', 'Purchasing Manager', 'Purchasing Clerk',
                  'Stock Manager', 'Stock Clerk', 'Shipping Clerk', 'Programmer',
                  'Marketing Manager', 'Marketing Representative', 'Human Resources Representative',
                  'Public Relations Representative'],
    'MIN_SALARY': [20080, 15000, 3000, 8200, 4200, 8200, 4200, 10000, 6000, 8000, 2500, 5500,
                   2008, 2500, 4000, 9000, 4000, 4000, 4500],
    'MAX_SALARY': [40000, 30000, 6000, 16000, 9000, 16000, 9000, 20080, 12008, 15000, 5500,
                   8500, 5000, 5500, 10000, 15000, 9000, 9000, 10500]
}

df = pd.DataFrame(data)
df.sort_values('JOB_TITLE', ascending=False, inplace=True)
print(df)
```

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]
>>>
======= RESTART: C:/Users/abhip/OneDrive/Documents/DSA05 LAB/program 3.py ======
        JOB_ID                          JOB_TITLE  MIN_SALARY  MAX_SALARY
11      ST_MAN                      Stock Manager        5500        8500
12    ST_CLERK                        Stock Clerk        2008        5000
13    SH_CLERK                      Shipping Clerk        2500        5500
8       SA_REP                Sales Representative        6000       12008
7       SA_MAN                       Sales Manager       10000       20080
9       PU_MAN                  Purchasing Manager        8000       15000
10    PU_CLERK                    Purchasing Clerk        2500        5500
18      PR_REP  Public Relations Representative        4500       10500
6   AC_ACCOUNT                  Public Accountant        4200        9000
14     IT_PROG                         Programmer        4000       10000
0      AD_PRES                          President       20080       40000
16      MK_REP           Marketing Representative        4000        9000
15      MK_MAN                 Marketing Manager        9000       15000
17      HR_REP   Human Resources Representative        4000        9000
3       FI_MGR                  Finance Manager        8200       16000
1        AD_VP    Administration Vice President       15000       30000
2       AD_ASST         Administration Assistant        3000        6000
5       AC_MGR                Accounting Manager        8200       16000
4   FI_ACCOUNT                        Accountant        4200        9000
>>>
```

Ln: 32 Col: