

1. Write a Pandas program to display the details of jobs in descending sequence on job title.

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

CODE:

```
3.py - C:/Users/keert/AppData/Local/Programs/Python/Python311/query processing new/3.py (3.11.4)
File Edit Format Run Options Window Help
import pandas as pd

# Sample data representing the job details
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'],
    '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'],
    'MIN_SALARY': [20080, 15000, 3000, 8200, 4200, 8200, 4200, 10000, 6000, 8000, 2500, 5500, 2008],
    'MAX_SALARY': [40000, 30000, 6000, 16000, 9000, 16000, 9000, 20080, 12008, 15000, 5500, 8500, 5000]
}

# Create DataFrame
df = pd.DataFrame(data)

# Sort the DataFrame by JOB_TITLE in descending order
sorted_df = df.sort_values(by='JOB_TITLE', ascending=False)

# Display the result
print(sorted_df)
```

OUTPUT:

```
IDLE Shell 3.11.4
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Python 3.11.4 (tags/v3.11.4:d2340ef, Jun 7 2023, 05:45:37) [MSC v.1934 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/keert/AppData/Local/Programs/Python/Python311/query processing new/3.py
11 JOB_ID JOB_TITLE MIN_SALARY MAX_SALARY
12 ST_MAN Stock Manager 5500 8500
13 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
>>>
```