

Python Pandas Activity

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1. Find the statistical Analysis on Employee Info (**Refer Data Set 4**)
 1. Find the total no of male and female employee
 2. Find the total no of single married and divorced employee
 3. Find the employee ID who is manager
 4. Find the all employee ID who is Supervisor
 5. Clean the dataset if record is empty with 0 values or delete incomplete data row
 6. Find the name of employee who is working as manager and from Pune
 7. Find the employee who's salary is greater than 1,00,000/-

Code:

1) Find the total no of male and female employee

Input:

```
import pandas as pd

df = pd.read_csv('dataset4.csv', delimiter=',')

gender_counts = df['Gender'].value_counts()

total_male = gender_counts['male']

total_female = gender_counts['female']

print("Total number of male employees:", total_male)
```

```
print("Total number of female employees:",  
total_female)
```

Output :

Total number of male employees: 7

Total number of female employees: 3

2) Find the total no of single married and divorced employee

Input:

```
import pandas as pd  
df = pd.read_csv('dataset4.csv', delimiter=',')  
marital_status_counts = df['Marital  
Status'].value_counts()  
total_single = marital_status_counts['single']  
total_married = marital_status_counts['married']  
total_divorced = marital_status_counts['divorced']  
print("Total number of single employees:", total_single)  
print("Total number of married employees:",  
total_married)  
print("Total number of divorced employees:",  
total_divorced)
```

Output:

Total number of single employees: 5

Total number of married employees: 3

Total number of divorced employees: 2

3) Find the employee ID who is manager

Input

```
import pandas as pd
df = pd.read_csv('dataset4.csv', delimiter=',')
manager_ids = df[df['Designation'] ==
'Manager']['Employee ID']
print("Employee ID of those who are managers:",
manager_ids)
```

Output:

Employee ID of those who are managers: 0 1

2 3

5 6

7 8

Name: Employee ID, dtype: int64

4) Find the all employee ID who is Supervisor

Input :

```
import pandas as pd

df = pd.read_csv('dataset4.csv', delimiter=',')

supervisor_ids = df[df['Designation'] ==
'Supervisor']['Employee ID']

print("Employee ID of those who are supervisors:",
supervisor_ids)
```

Output:

```
Employee ID of those who are supervisors: 4    5
9    10
```

Name: Employee ID, dtype: int64

5) Clean the dataset if record is empty with 0 values or delete incomplete data row

Input

```
import pandas as pd

df = pd.read_csv('dataset4.csv', delimiter=',')

df = df.fillna(0)

df = df.dropna()
```

6) Find the name of employee who is working as manager and from Pune

Input:

```
import pandas as pd

df = pd.read_csv('dataset4.csv', delimiter=',')

manager_from_pune = df[(df['Designation'] == 'Manager') & (df['City'] == 'Pune')]['Name']

print("Employee working as a manager and from Pune:", manager_from_pune)
```

Output :

Employee working as a manager and from Pune: 0
Sanvi

5 Pranav

Name: Name, dtype: object

7) Find the employee who's salary is greater than 1,00,000/-

Input :

```
import pandas as pd

df = pd.read_csv('dataset4.csv', delimiter=',')

high_salary_employees = df[df['Salary'] > 100000]['Name']
```

```
print("Employees with a salary greater than 1,00,000/-  
:", high_salary_employees)
```

Output:

Employees with a salary greater than 1,00,000/-: 1

Mrunmayee

3 Gouri

6 Saksham

8 Sunil

Name: Name, dtype: object