| In [3]: | <pre>import pandas as pd data=pd.read_csv("file.csv") print(data)</pre> |
|--|--|
| | Name Age Salary 0 RAM 30 30000 1 RAJU 50 45000 2 RADHA 25 50000 |
| In [4]: | 3 ARJUN 60 20000 4 AJAY 30 40000 data["Age"] |
| Out[4]: | 50 2 25 3 60 4 30 |
| | Name: Age, dtype: int64 data["Age"]>30 0 False |
| | True False True True True True True True True Tru |
| Out[6]: | |
| Out[7]: | <pre>data["Salary"].min() 20000 data.info()</pre> |
| | <pre><class 'pandas.core.frame.dataframe'=""> RangeIndex: 5 entries, 0 to 4 Data columns (total 3 columns): # Column Non-Null Count Dtype</class></pre> |
| | 0 Name 5 non-null object 1 Age 5 non-null int64 2 Salary 5 non-null int64 dtypes: int64(2), object(1) memory usage: 248.0+ bytes |
| In [21]: Out[21]: | data[["Age", "Salary"]] |
| | 0 30 30000 1 50 45000 2 25 50000 |
| | 3 60 200004 30 40000 |
| <pre>In [10]: Out[10]:</pre> | |
| | 1 RAJU 50 45000 2 RADHA 25 50000 |
| | 3 ARJUN 60 20000 4 AJAY 30 40000 data.head(3) |
| Out[13]: | Name Age Salary 0 RAM 30 30000 |
| | 1 RAJU 50 45000 2 RADHA 25 50000 |
| Out[12]: | Name Age Salary 3 ARJUN 60 20000 |
| | 4 AJAY 30 40000 type(data) |
| In [16]: | pandas.core.frame.DataFrame data.shape |
| Out[16]: In [18]: Out[18]: | <pre>data.describe()</pre> |
| | count 5.000000 mean 39.000000 std 15.165751 12041.594579 |
| | min 25.000000 20000.000000 25% 30.000000 30000.0000000 |
| | 50% 30.000000 40000.000000 75% 50.000000 45000.000000 max 60.000000 50000.000000 |
| <pre>In [5]: Out[5]:</pre> | Age 30 |
| In [8]: | <pre>Salary 40000 Name: 4, dtype: object print(data.loc[data["Age"]>20]) Name Age Salary</pre> |
| | Name Age Salary 0 RAM 30 30000 1 RAJU 50 45000 2 RADHA 25 50000 3 ARJUN 60 20000 4 AJAY 30 40000 |
| In [11]: Out[11]: | data["Adress"]=["a","b","c","d","e"] data |
| | 0 RAM 30 30000 a 1 RAJU 50 45000 b 2 RADHA 25 50000 c |
| | 3 ARJUN 60 20000 d 4 AJAY 30 40000 e |
| In [12]: Out[12]: | |
| | RAM 0 30000 a RAJU 0 45000 b RADHA 0 50000 c ABHIN 0 30000 d |
| _ | 3 ARJUN 0 20000 d 4 AJAY 0 40000 e df=data[(data["Age"]==0) & (data["Salary"]>30000)] |
| In [15]: Out[15]: | |
| | 1 RAJU 0 45000 b 2 RADHA 0 50000 c 4 AJAY 0 40000 e |
| In [16]: Out[16]: | 2 RADHA |
| In [3]: | A AJAY Name: Name, dtype: object import pandas as pd data=pd.read_csv("file.csv") print(data) |
| | data.to_excel("record.xlsx", sheet_name="s1") a=pd.read_excel("record.xlsx") a Name Age Salary |
| | 0 RAM 30 30000 1 RAJU 50 45000 2 RADHA 25 50000 3 ARJUN 60 20000 4 AJAY 30 40000 |
| Out[3]: | Unnamed: 0 Name Age Salary 0 0 RAM 30 30000 1 1 RAJU 50 45000 |
| | 2 RADHA 25 50000 3 ARJUN 60 20000 4 AJAY 30 40000 |
| In [4]: | <pre>a.info() <class 'pandas.core.frame.dataframe'=""> RangeIndex: 5 entries, 0 to 4</class></pre> |
| | Data columns (total 4 columns): # Column Non-Null Count Dtype 0 Unnamed: 0 5 non-null int64 1 Name 5 non-null object 2 Name 5 non-null int64 |
| Tn [13]: | 2 Age 5 non-null int64 3 Salary 5 non-null int64 dtypes: int64(3), object(1) memory usage: 288.0+ bytes a.dtypes |
| | Unnamed: 0 int64 Name object Age int64 Salary int64 |
| | <pre>dtype: object x=a[["Name", "Salary"]] x</pre> |
| Out[15]: | Name Salary RAM 30000 RAJU 45000 |
| | 2 RADHA 50000 3 ARJUN 20000 4 AJAY 40000 |
| Tn [17]. | a.shape |
| Out[17]: | |
| Out[17]: In [18]: | |
| Out[17]: In [18]: Out[18]: | <pre>type(a[["Name", "Salary"]]) pandas.core.frame.DataFrame x=a[a["Age"].isin([30,25])] x</pre> |
| Out[17]: In [18]: Out[18]: In [27]: | <pre>(5, 4) type(a[["Name", "Salary"]]) pandas.core.frame.DataFrame x=a[a["Age"].isin([30,25])] x</pre> |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: | (5, 4) type(a[("Name", "Salary"]]) pandas.core.frame.bataFrame x=a[a["Age"].isin((30, 25))] |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: Out[26]: | type (a ["Name", "Salary"]); pandas.core.frame.DetaFrame x=a[a["Age"] isin(30,23)]; x=a[a["Age"] isin(30,23)]; vmamed: 0 |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: Out[26]: | type:a(["Name", "Salacy"]) pandas.ccre.frame.DataPrame xma[s["Age"].istm([30,25])] x Unnamed: 0 Name Age Salary 0 0 RAM 30 30000 2 2 RADHA 25 50000 4 A ANV 30 40000 sma[ia["Age"]==35][ia["Salary"]==30000)] Unnamed: 0 Name Age Salary 0 0 RAM 30 30000 import pandas as pd smpd.mod.cov("file.cov") apd.comd.cv("file.cov") apd.cv("file.cov") |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: | |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: | Cype (at "Come", "Salar y") |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: | Type |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: | System Telephone Telepho |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: In [47]: | |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: | Page |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: In [47]: | Page |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: In [47]: In [47]: | |
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| Out [17]: In [18]: Out [18]: In [27]: Out [27]: In [26]: In [5]: In [47]: Out [47]: Out [47]: | Page |
| <pre>Out[17]: In [18]: Out[18]: In [27]: Out[27]: In [26]: In [5]: In [47]: In [47]: In [48]: In [49]:</pre> | Page |
| Out[17]: In [18]: Out[18]: In [27]: Out[27]: Out[26]: In [5]: In [47]: Out[47]: Out[50]: In [51]: Out[51]: | Part |
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| Out [17]: In [18]: Out [18]: In [27]: Out [27]: Out [26]: In [5]: In [47]: Out [47]: Out [47]: Out [50]: In [51]: Out [51]: Out [51]: | See |
| Out [17]: In [18]: Out [18]: In [27]: Out [27]: In [26]: Out [26]: In [5]: In [47]: Out [47]: Out [47]: Out [5]: In [5]: Out [5]: In [1]: Out [5]: In [1]: Out [1]: | 5. 18 |
| Out [17]: In [18]: Out [18]: In [27]: Out [27]: In [26]: Out [26]: In [5]: In [47]: In [47]: Out [47]: Out [50]: In [51]: Out [51]: Out [2]: In [4]: Out [4]: | ### Part |
| Out [17]: In [18]: Out [18]: In [27]: Out [27]: Out [26]: In [26]: In [5]: In [47]: Out [47]: Out [47]: Out [50]: In [51]: Out [51]: Out [7]: Out [7]: Out [7]: | Fig. 1 |
| Out [17]: In [18]: Out [18]: In [27]: Out [27]: Out [26]: In [26]: In [5]: In [47]: Out [47]: Out [47]: Out [50]: In [51]: Out [51]: Out [7]: Out [7]: Out [7]: | The content of the |
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| <pre>Jut [17]: Jut [18]: Out [18]: Out [18]: Jut [27]: Out [27]: Jut [27]: Jut [27]: Jut [27]: Jut [27]: Jut [27]: Jut [47]: Jut [47]:</pre> | The state of the s |
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