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Python-for-machine-learning / Untitled2.ipynb



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163 lines (163 loc) · 4.71 KB

Preview

Code

Blame

Raw



```
In [1]: import pandas as pd  
#Empty DataFrame  
df=pd.DataFrame()  
print(df)
```

```
Empty DataFrame  
Columns: []  
Index: []
```

```
In [5]: emp=pd.Series(['Parker','John','Smith','William'])  
id=pd.Series([102, 107, 109, 114])  
frame={'Emp':emp,'Id':id}  
result=pd.DataFrame(frame)  
print("\nSeries to DataFrame\n")  
print(result)
```

```
Series to DataFrame
```

	Emp	Id
0	Parker	102
1	John	107
2	Smith	109
3	William	114

```
In [7]: print("\nAdding new column:\n")  
result['Age']=pd.Series([35,24,40,38])  
print(result)
```

```
Adding new column:
```

	Emp	Id	Age
0	Parker	102	35
1	John	107	24
2	Smith	109	40
3	William	114	38

```
In [8]: print("\nDeleting one column:\n")  
del result['Age']  
print(result)
```

```
Deleting one column:
```

	Emp	Id
0	Parker	102
1	John	107
2	Smith	109
3	William	114

```
In [9]: print("\nExtracting the third row:\n")  
print(result.loc[2])
```

```
Extracting the third row:
```

```
Emp      Smith  
Id       109  
Name: 2, dtype: object
```

```
In [10]: print("\nslice rows:\n",result[1:3])
```

```
slice rows:  
    Emp      Id  
1   John    107  
2  Smith    109
```

In [13]:

```
d2=pd.DataFrame([[ 'Dale', 123], [ 'Mark', 143]], columns=['Emp', 'Id'])  
print("\nAdding new row values:\n",pd.concat([result, d2]))
```

```
Adding new row values:  
    Emp      Id  
0   Parker  102  
1     John  107  
2   Smith  109  
3  William 114  
0     Dale  123  
1     Mark  143
```

In [14]:

```
print("\nDeleting particular row:\n",result.drop(1))
```

```
Deleting particular row:  
    Emp      Id  
0   Parker  102  
2   Smith  109  
3  William 114
```

In []: