**48.How to locate rows and columns by using loc,iloc in python?**

**Objective:**

* To see how to locate rows or columns to define X and y variable using python.

**Process:**

* loc:

Used to get the rows and columns with particular labels from the index.

* Iloc:

Get rows and columns with particular positions in the index.

**Input:**

* Data Frame(csv file).

**Output:**

* Rows and columns.

**Source code:**

#import the libraries

import pandas as pd

#read the data set

data=pd.read\_csv('/home/soft27/soft27/Sathish/

Pythonfiles/Employee.csv')

#creating data frame

df=pd.DataFrame(data)

#first row of data frame

print("\*\*\*\*First row\*\*\*\*\*\*\*")

print(df.iloc[0])

#second row of data frame

print("\*\*\*Second row\*\*\*\*\*\*\*\*")

print(df.iloc[1])

#last row of data frame

print("\*\*\*Last row\*\*\*\*\*\*\*\*")

print(df.iloc[-1])

#first column of data frame

print("\*\*\*\*\*1st column\*\*\*\*\*\*")

print(df.iloc[:,0])

#second column of data frame

print("\*\*\*\*2nd column\*\*\*\*\*\*\*")

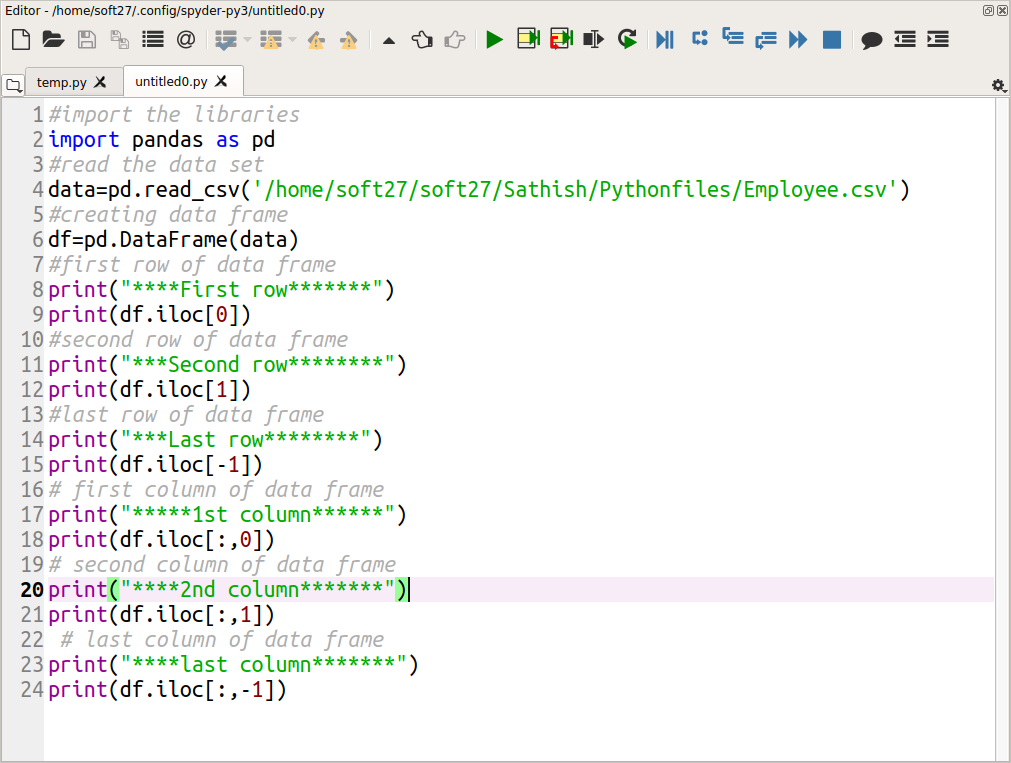
print(df.iloc[:,1])

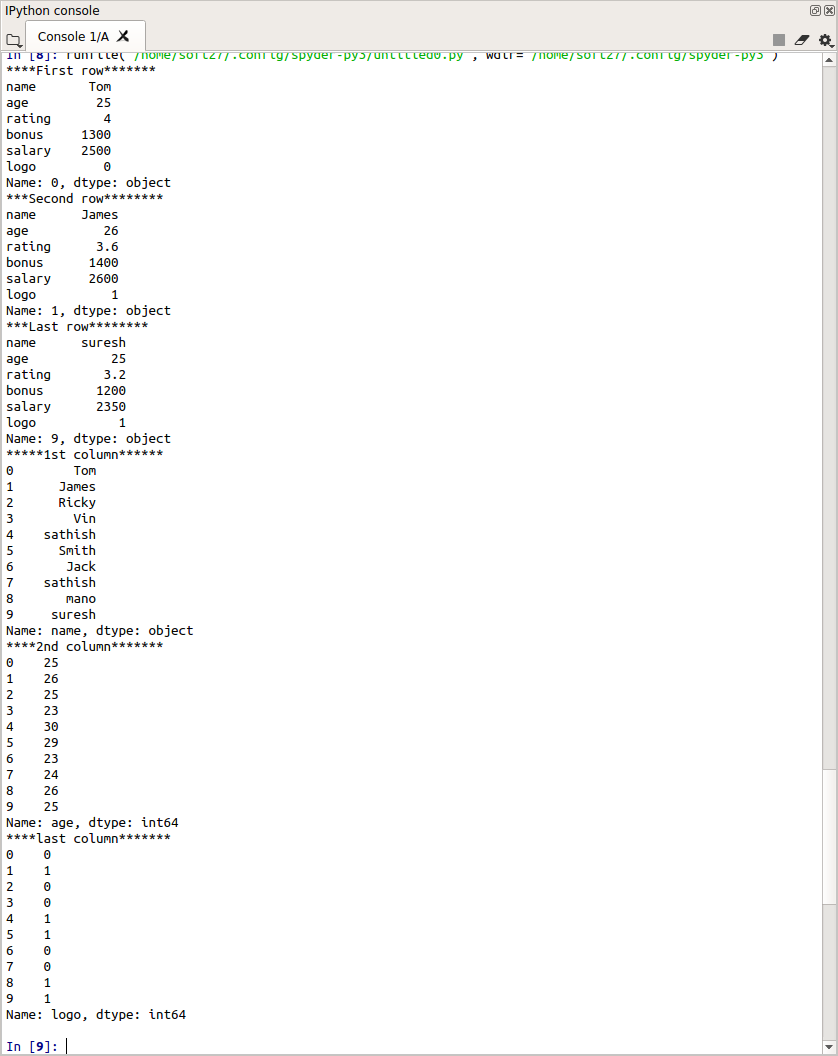
#last column of data frame

print("\*\*\*\*last column\*\*\*\*\*\*\*")

print(df.iloc[:,-1])

**Screen shots:**

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