Jupyter notebook link : <https://jupyter.org/try>

import pandas as pd

import numpy as np

data={'Name':['Virat Kohli','Rohit Sharma','Jasprit Bumrah','Ms Dhoni','Kuldeep Yadav'],'Batting avg':[52.08,49.56,47.89,25.06,30.71],'Type':['Batsman','Batsman','Bowler','WicketKeeper','Bowler'],'Jersey Number':[18,45,93,7,23]}

pf=pd.DataFrame(data)

print(pf)

import pandas as pd

import numpy as np

from matplotlib import pyplot as plt

data={'Name':['Virat Kohli','Rohit Sharma','Jasprit Bumrah','Ms Dhoni','Kuldeep Yadav'],'Batting avg':[52.08,49.56,47.89,25.06,30.71],'Type':['Batsman','Batsman','Bowler','WicketKeeper','Bowler'],'Jersey Number':[18,45,93,7,23]}

pf=pd.DataFrame(data)

data2={'Name':['Hardik Pandiya'],'Batting avg':[40.56],'Type':['All-Rounder'],'Jersey Number':[33]}

pf2=pd.DataFrame(data2)

pf=pf.append(pf2,ignore\_index=True)

print(pf)

pf.plot.bar(x='Name',y='Batting avg',color='blue')

import pandas as pd

import numpy as np

from matplotlib import pyplot as plt

index=['Virat Kohli','Rohit Sharma','Jasprit Bumrah','Ms Dhoni','Kuldeep Yadav']

data={'Batting avg':[52.08,49.56,47.89,25.06,30.71],'Type':['Batsman','Batsman','Bowler','WicketKeeper','Bowler'],'Jersey Number':[18,45,93,7,23]}

pf=pd.DataFrame(data,index=index)

print(pf)

import pandas as pd

import numpy as np

from matplotlib import pyplot as plt

index=['apple','banana','orange','pears','strawberries','guava','blue berry','cucumber']

data={'Calorific value':[100,120,54,71,85,62,39,25],'ph value':[6.8,7.2,3.25,4.65,5.96,6.89,4.15,7.02]}

df=pd.DataFrame(data,index=index)

print(df)

df.plot.bar(y=['ph value'],color=[np.where(df['ph value']<5.50, 'red', 'orange')])

import pandas as pd

print pd.get\_option("display.max\_rows")

import pandas as pd

import numpy as np

index=['a','b','c','d','e']

data={'Player Name':['Rohit Sharma','Shakib Al Hasan','David Warner','Aaron Finch','Joe Root'],'Innings':[7,7,8,8,9],'Highest':[140,124,166,153,107],'Avg':np.asarray([90.66,95.20,73.71,63.10,62.50]),'Srike rate':[96.96,np.nan,85.57,102.43,91.47]}

frame=pd.DataFrame(data,index=index)

print(frame)

frame.plot.bar(x='Player Name')

total=np.empty(5,dtype = float)

print("\n Empty array:",total)

for x,y in frame.loc['Innings'],frame.loc['Avg']:

total.append(x\*y)

print("Total runs : ",total)