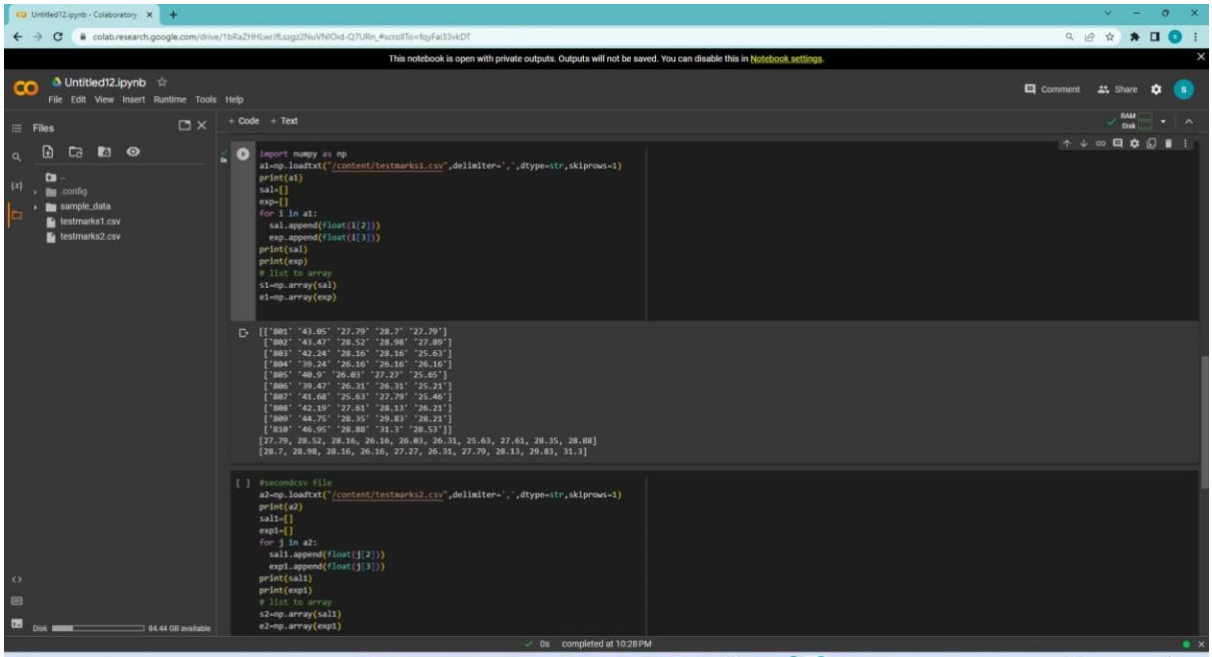
Name – Sakshi Balghare
Roll No. -504


Untitled12.ipynb - Colaboratory
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import numpy as np
a1=np.loadtxt("/content/testmarks1.csv",delimiter=',',dtype=str,skiprows=1)
print(a1)
sal=[]
exp=[]
for i in a1:
sal.append(float(i[2]))
exp.append(float(i[3]))
print(sal)
print(exp)
# list to array
s1=np.array(sal)
e1=np.array(exp)
[['801' '43.05' '27.79' '28.7' '27.79']
['802' '43.47' '28.52' '28.98' '27.89']
['803' '42.24' '28.16' '28.16' '25.63']
['804' '39.24' '26.16' '26.16' '26.16']
['805' '40.9' '26.03' '27.27' '25.65']
['806' '39.47' '26.31' '26.31' '25.21']
['807' '41.68' '25.63' '27.79' '25.46']
['808' '42.19' '27.61' '28.13' '26.21']
['809' '44.75' '28.35' '29.83' '28.21']
['810' '46.95' '28.88' '31.3' '28.53']]
[27.79, 28.52, 28.16, 26.16, 26.03, 26.31, 25.63, 27.61, 28.35, 28.88]
[28.7, 28.98, 28.16, 26.16, 27.27, 26.31, 27.79, 28.13, 29.83, 31.3]
#secondcsv file
a2=np.loadtxt("/content/testmarks2.csv",delimiter=',',dtype=str,skiprows=1)
print(a2)
sal1=[]
exp1=[]
for j in a2:
sal1.append(float(j[2]))
exp1.append(float(j[3]))
print(sal1)
print(exp1)
# list to array
s2=np.array(sal1)
e2=np.array(exp1)
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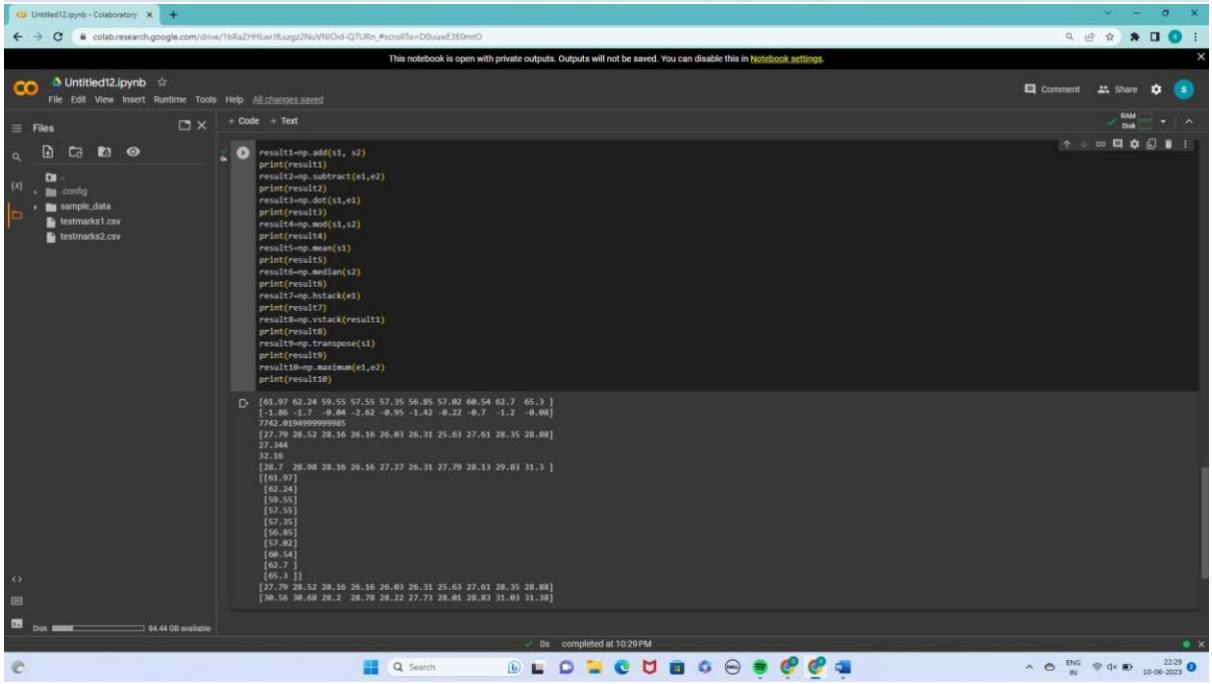
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result1=np.add(s1, s2)
print(result1)
result2=np.subtract(e1,e2)
print(result2)
result3=np.dot(s1,e1)
print(result3)
result4=np.mod(s1,s2)
print(result4)
result5=np.mean(s1)
print(result5)
result6=np.median(s2)
print(result6)
result7=np.hstack(e1)
print(result7)
result8=np.vstack(result1)
print(result8)
result9=np.transpose(s1)
print(result9)
result10=np.maximum(e1,e2)
print(result10)
[61.97 62.24 59.55 57.55 57.35 56.85 57.02 60.54 62.7 65.3]
[-1.86 -1.7 -0.84 -2.62 -0.95 -1.42 -0.22 -0.7 -1.2 -0.88]
7742.019499999985
[27.79 28.52 28.16 26.16 26.03 26.31 25.63 27.61 28.35 28.88]
27.344
32.16
[28.7 28.98 28.16 26.16 27.27 26.31 27.79 28.13 29.83 31.3]
[[61.97]
[62.24]
[59.55]
[57.55]
[57.35]
[56.85]
[57.02]
[60.54]
[62.7]
[65.3]]
[27.79 28.52 28.16 26.16 26.03 26.31 25.63 27.61 28.35 28.88]
[30.56 30.68 28.2 28.78 28.22 27.73 28.01 28.83 31.03 31.38]
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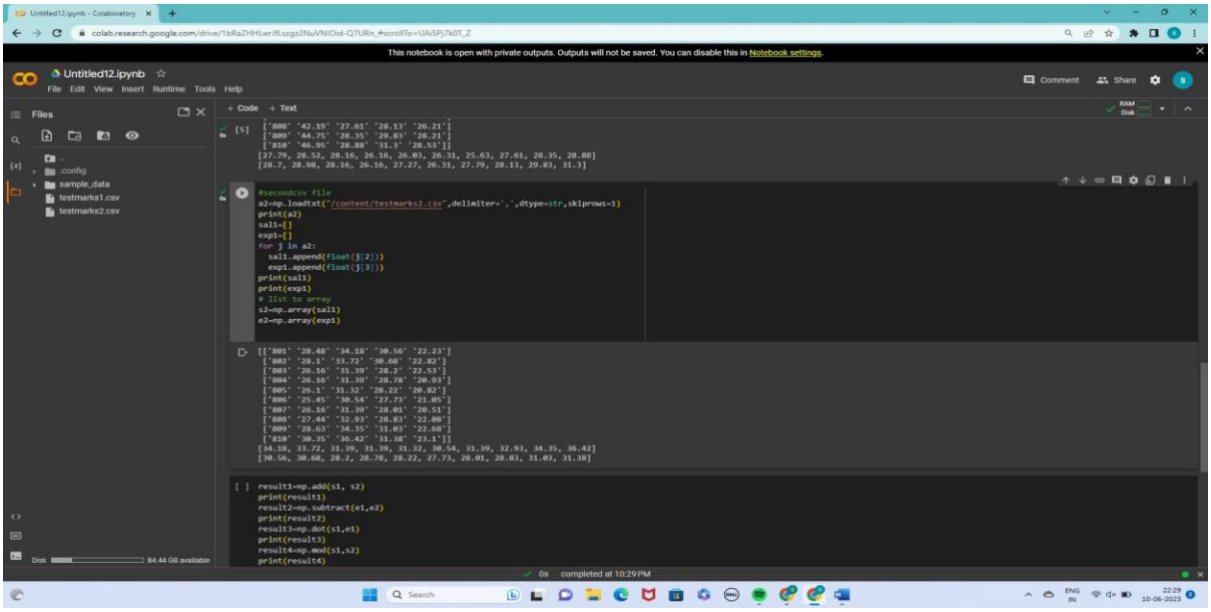
Untitled12.ipynb - Colaboratory
colab.research.google.com/drive/1bRaZHHLwrlfLszgp2NuVNlOid-Q7URn_#scrollTo=UAi5Pj7k0T_Z
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sample_data
testmarks1.csv
testmarks2.csv
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['888' '42.19' '27.61' '28.13' '26.21']
['889' '44.75' '28.35' '29.83' '28.21']
['810' '40.95' '28.88' '31.1' '28.53']]
[27.79, 28.52, 28.16, 26.16, 26.03, 26.31, 25.63, 27.61, 28.35, 28.88]
[28.7, 28.98, 28.16, 26.16, 27.27, 26.31, 27.79, 28.13, 29.83, 31.3]
#secondcsv file
a2=np.loadtxt("/content/testmarks2.csv",delimiter=',',dtype=str,skiprows=1)
print(a2)
sal1=[]
exp1=[]
for j in a2:
sal1.append(float(j[2]))
exp1.append(float(j[3]))
print(sal1)
print(exp1)
# list to array
s2=np.array(sal1)
e2=np.array(exp1)
[['801' '28.48' '34.18' '30.56' '22.23']
['802' '28.1' '33.72' '30.68' '22.82']
['803' '26.16' '31.39' '28.2' '22.53']
['804' '26.16' '31.39' '28.78' '20.93']
['805' '26.1' '31.32' '28.22' '20.82']
['806' '25.45' '30.54' '27.73' '21.05']
['807' '26.16' '31.39' '28.01' '20.51']
['808' '27.44' '32.93' '28.83' '22.08']
['809' '28.63' '34.35' '31.03' '22.68']
['810' '30.35' '36.42' '31.18' '23.1']]
[34.18, 33.72, 31.39, 31.39, 31.32, 30.54, 31.39, 32.93, 34.35, 36.42]
[30.56, 30.68, 28.2, 28.78, 28.22, 27.73, 28.01, 28.83, 31.03, 31.18]
result1=np.add(s1, s2)
print(result1)
result2=np.subtract(e1,e2)
print(result2)
result3=np.dot(s1,e1)
print(result3)
result4=np.mod(s1,s2)
print(result4)
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