Abhijeet Jadhav

821

202201040122

Practical3

eds pract3.py - C:\Users\ASUS\OneDrive\Desktop\Eds Practical 3\eds pract3.py (3.11.3)

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```
import numpy as np
data1=np.loadtxt("testmarks1.csv",skiprows=1,delimiter=",",dtype=float)
data2=np.loadtxt("testmarks2.csv",skiprows=1,delimiter=",",dtype=float)

#Addition
A=np.add(data1,data2)
print("Addition of Two Matrix",A)
print("\n")

#Substraction
B=np.subtract(data1,data2)
print("Subtraction of Two Matrix",A)
print("\n")

#Multiplication
C=np.multiply(data1,data2)
print("Multiplication of Two Matrix",A)
print("\n")

#Division
D=np.add(data1,data2)
print("Division of Two Matrix",A)
print("\n")

#Horizontal Stack
print("Horizontal Stacking of data1 is :\n",np.hstack(data1))
print("Horizontal Stacking of data2 is :\n",np.hstack(data2))

#Vertical Stack
print("Vertical Stacking of data1 is :\n",np.vstack(data1))
print("Vertical Stacking of data2 is :\n",np.vstack(data2))

#Maximum
g=np.max(A,axis=0)
h=int(g[0]/2)
print("The student got maximum marks :\n",h)

#Minimum
f=np.min(A,axis=0)
i=int(f[0]/2)
print("The student got maximum marks :\n",i)

#Sorting
print("sorting data1:\n",np.sort(data1))
print("\n")
print("sorting data2:\n",np.sort(data2))
print("\n")
```

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print("\n")
```