**6. Create a 2 Dimensional array with 4 rows and 4 columns.**

**a. Display all elements excluding the first row**

**b. Display all elements excluding the last column**

**c. Display the elements of 1 st and 2 nd column in 2 nd and 3 rd row**

**d. Display the elements of 2 nd and 3 rd column**

**e. Display 2 nd and 3 rd element of 1 st row**

**f. Display the elements from indices 4 to 10 in descending order(use**

**–values)**

import numpy as np  
print("Sivapriya Rajan")  
print("SJC21MCA-2042")  
print(" ")  
a =np.array([[2,4,3,5],  
 [4,3,2,1],  
 [2,7,6,4],  
 [9,8,5,3]])  
print("two dimension array is")  
print(a)  
print("array excluding first row")  
m1=np.delete(a,0,axis=0)  
print(m1)  
#print("alternate method for deleting first row")  
#print(a[1:,])  
print("array excluding last column")  
print(a[:, :-1])  
#print("alternate method for excluding last column")  
#b=np.delete(a,-1,axis=1)  
#print(b)  
print(" elements of 1 st and 2 nd column in 2 nd and 3 rd row")  
print(a[1:3,0:2])  
print("the elements of 2 nd and 3 rd column")  
print(a[:,[1,2]])  
print(" 2 nd and 3 rd element of 1 st row")  
print(a[0:1,1:3])  
print("element from indices 4 to 10 in descenting order")  
flat\_array=a.flatten()  
print(flat\_array)  
new=sorted(flat\_array[-3:-10])  
index=flat\_array[11:4:-1]  
print(index)