

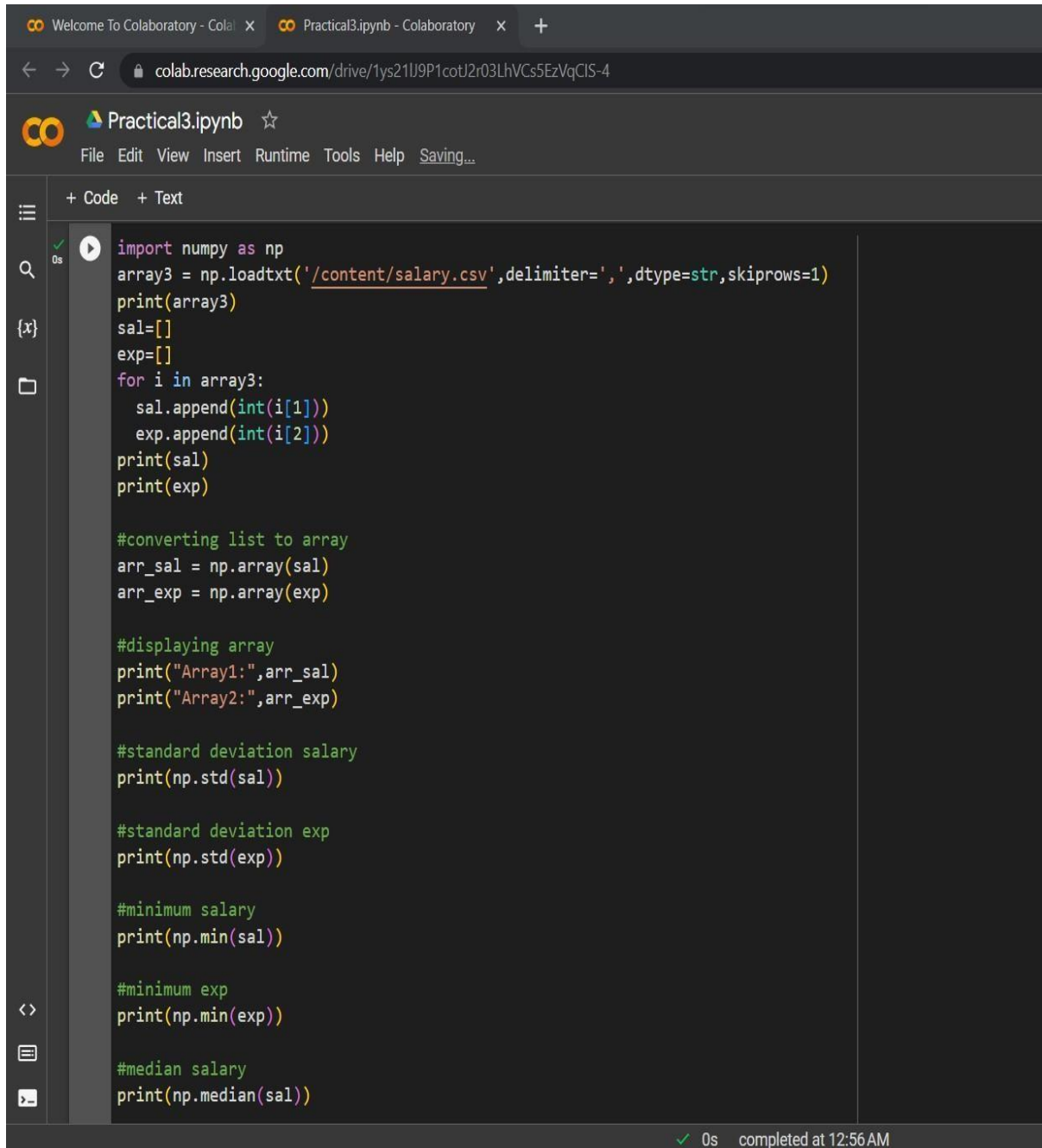
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CODE :



The screenshot shows a Google Colaboratory notebook interface. The browser address bar displays the URL: `colab.research.google.com/drive/1ys21U9P1cotJ2r03LhVCs5EzVqCIS-4`. The notebook title is "Practical3.ipynb". The code is written in a dark-themed editor and includes the following Python code:

```
import numpy as np
array3 = np.loadtxt('/content/salary.csv', delimiter=',', dtype=str, skiprows=1)
print(array3)
sal=[]
exp=[]
for i in array3:
    sal.append(int(i[1]))
    exp.append(int(i[2]))
print(sal)
print(exp)

#converting list to array
arr_sal = np.array(sal)
arr_exp = np.array(exp)

#displaying array
print("Array1:",arr_sal)
print("Array2:",arr_exp)

#standard deviation salary
print(np.std(sal))

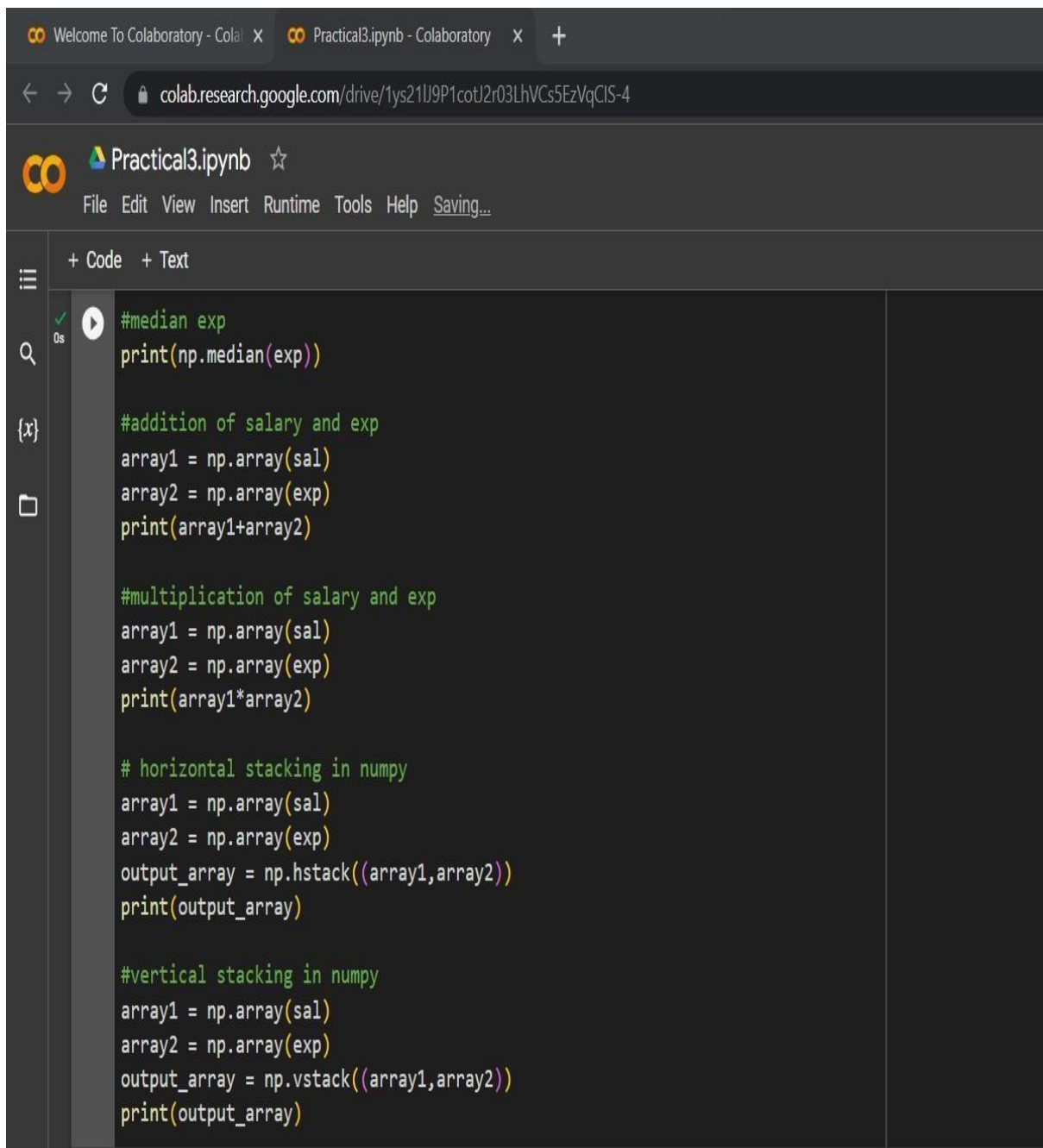
#standard deviation exp
print(np.std(exp))

#minimum salary
print(np.min(sal))

#minimum exp
print(np.min(exp))

#median salary
print(np.median(sal))
```

The status bar at the bottom right indicates that the code was executed successfully, showing a green checkmark, "0s", and "completed at 12:56 AM".



The image shows a Google Colaboratory notebook titled 'Practical3.ipynb'. The interface includes a top bar with the Colab logo and the notebook name, a menu bar with options like File, Edit, View, Insert, Runtime, Tools, Help, and a 'Saving...' status. Below the menu is a toolbar with icons for file management and execution. The main area contains a code cell with the following Python code:

```
#median exp
print(np.median(exp))

#addition of salary and exp
array1 = np.array(sal)
array2 = np.array(exp)
print(array1+array2)

#multiplication of salary and exp
array1 = np.array(sal)
array2 = np.array(exp)
print(array1*array2)

# horizontal stacking in numpy
array1 = np.array(sal)
array2 = np.array(exp)
output_array = np.hstack((array1,array2))
print(output_array)

#vertical stacking in numpy
array1 = np.array(sal)
array2 = np.array(exp)
output_array = np.vstack((array1,array2))
print(output_array)
```

**OUTPUT :**

Practical3.ipynb - Colaboratory

colab.research.google.com/drive/1ys21U9P1cotl2r03LhVCs5EzVqCIS-4

Practical3.ipynb

File Edit View Insert Runtime Tools Help

+ Code + Text

0s

[[ 'raj' '25000' '12']  
[ 'vijay' '20000' '8']  
[ 'kishor' '15000' '7']  
[ 'kiran' '18000' '8']  
[ 'sahil' '21000' '10']  
[ 'priyank' '30000' '5']  
[ 'ramesh' '28000' '6']]  
[25000, 20000, 15000, 18000, 21000, 30000, 28000]  
[12, 8, 7, 8, 10, 5, 6]  
Array1: [25000 20000 15000 18000 21000 30000 28000]  
Array2: [12 8 7 8 10 5 6]  
5038.626311013828  
2.2038926600773587  
15000  
5  
21000.0  
8.0  
[25012 20008 15007 18008 21010 30005 28006]  
[300000 160000 105000 144000 210000 150000 168000]  
[25000 20000 15000 18000 21000 30000 28000 12 8 7 8 10  
5 6]  
[[25000 20000 15000 18000 21000 30000 28000]  
[ 12 8 7 8 10 5 6]]

completed at 1:01 AM