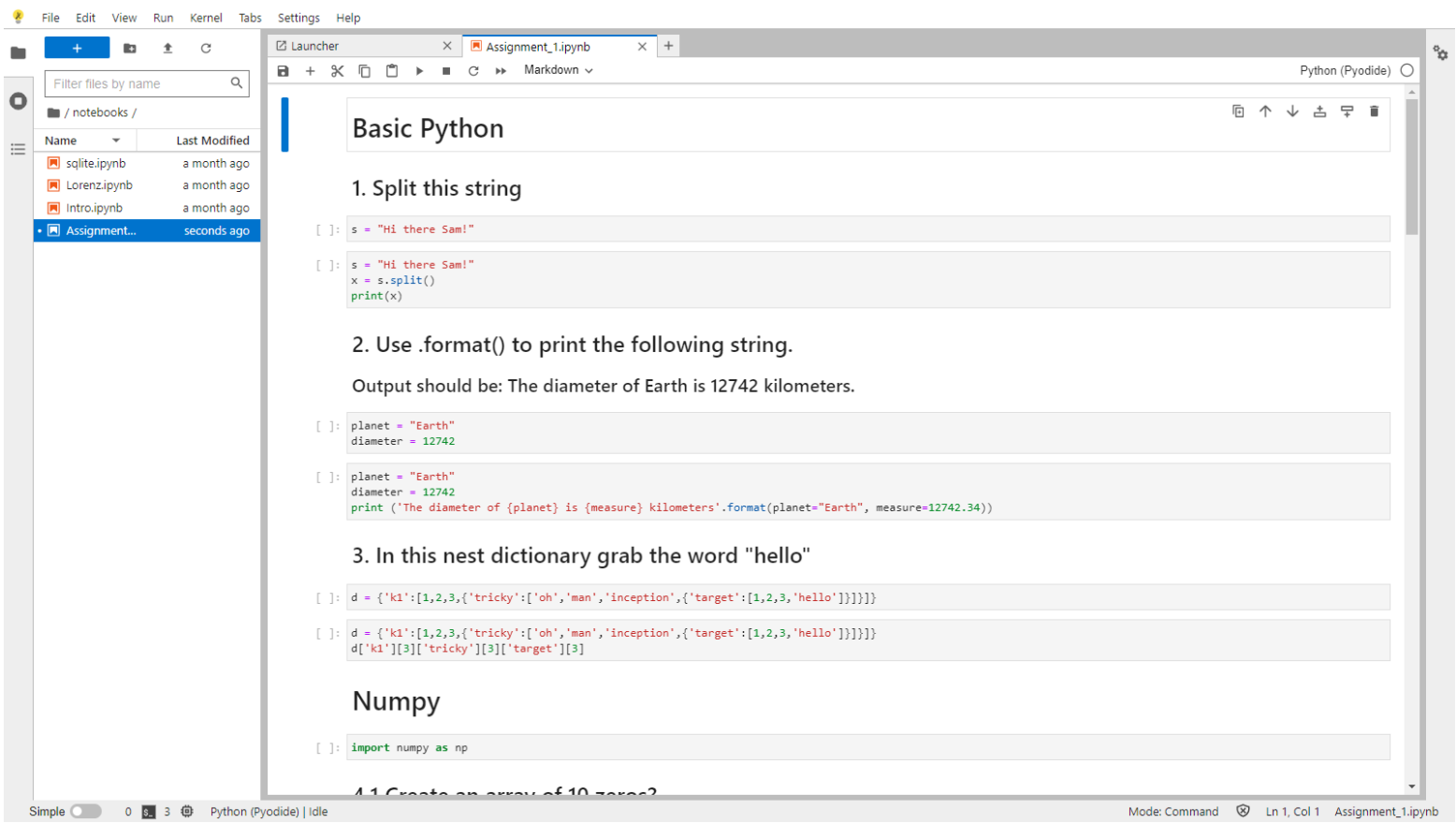

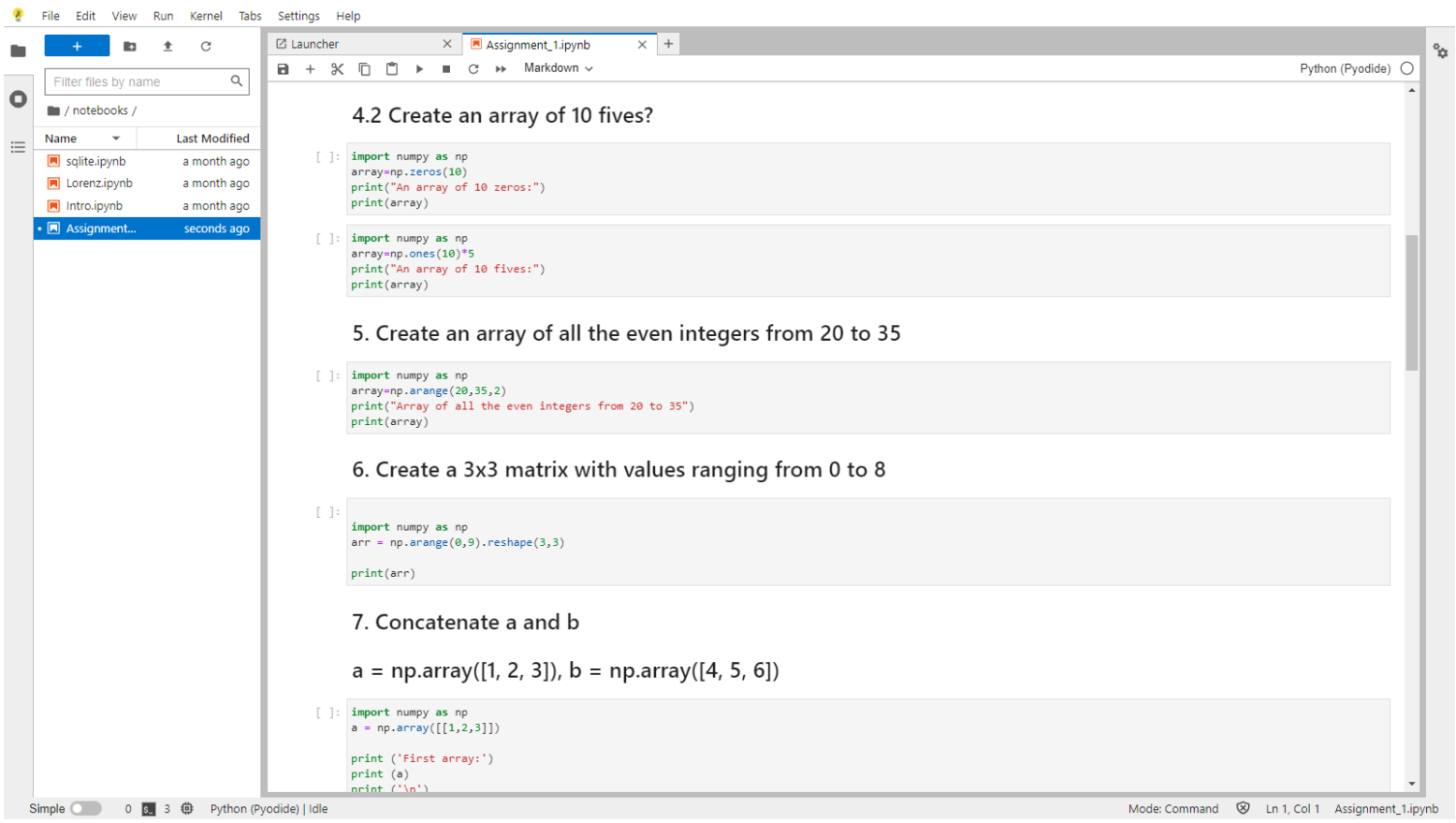

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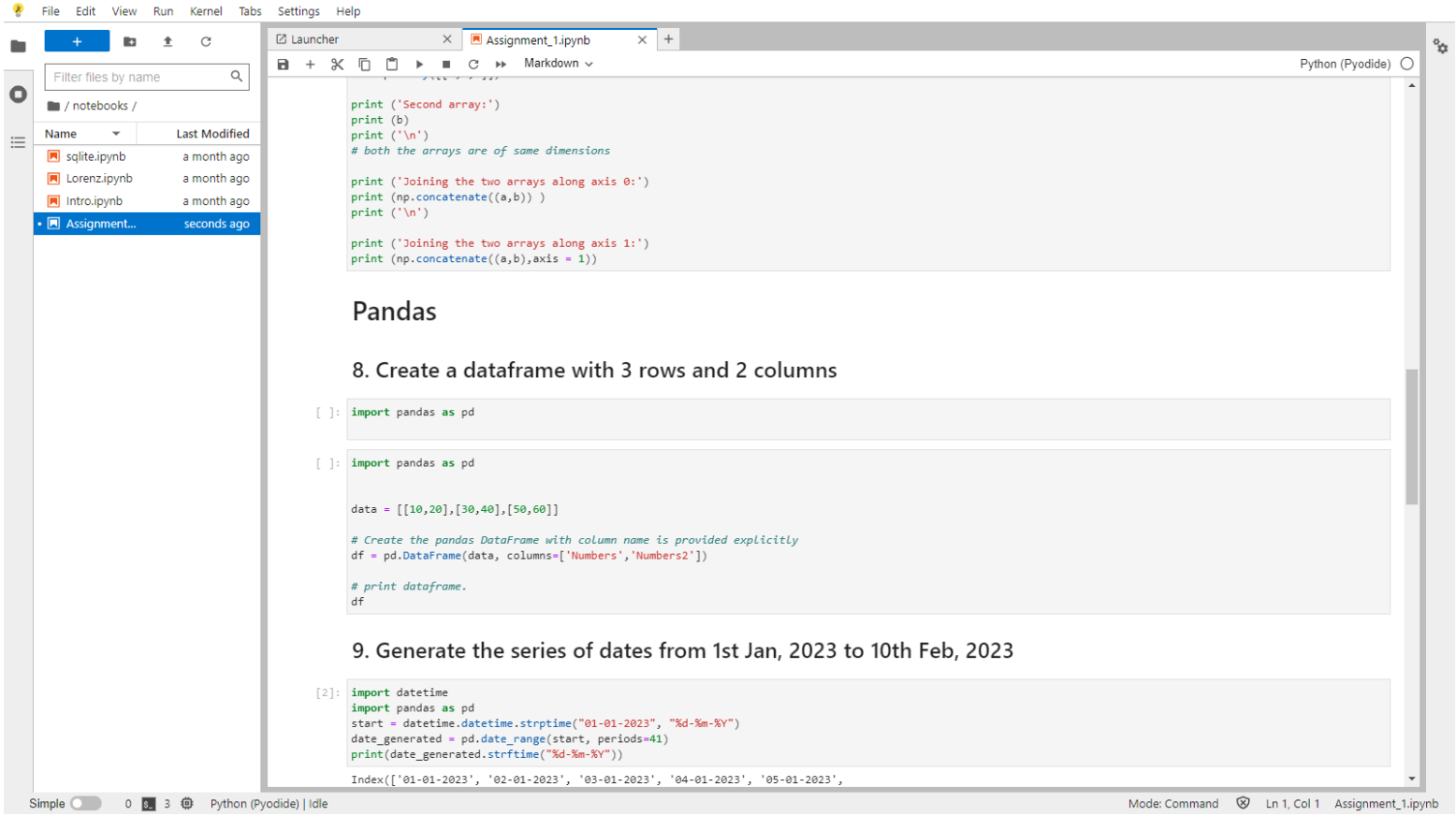
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print ('Second array:')
print (b)
print ('\n')
both the arrays are of same dimensions
print ('Joining the two arrays along axis 0:')
print (np.concatenate((a,b)))
print ('\n')
print ('Joining the two arrays along axis 1:')
print (np.concatenate((a,b),axis = 1))
Pandas
8. Create a dataframe with 3 rows and 2 columns
[ ]: import pandas as pd
[ ]: import pandas as pd
data = [[10,20],[30,40],[50,60]]
# Create the pandas DataFrame with column name is provided explicitly
df = pd.DataFrame(data, columns=['Numbers','Numbers2'])
# print dataframe.
df
9. Generate the series of dates from 1st Jan, 2023 to 10th Feb, 2023
[2]: import datetime
import pandas as pd
start = datetime.datetime.strptime("01-01-2023", "%d-%m-%Y")
date_generated = pd.date_range(start, periods=41)
print(date_generated.strftime("%d-%m-%Y"))
Index(['01-01-2023', '02-01-2023', '03-01-2023', '04-01-2023', '05-01-2023',
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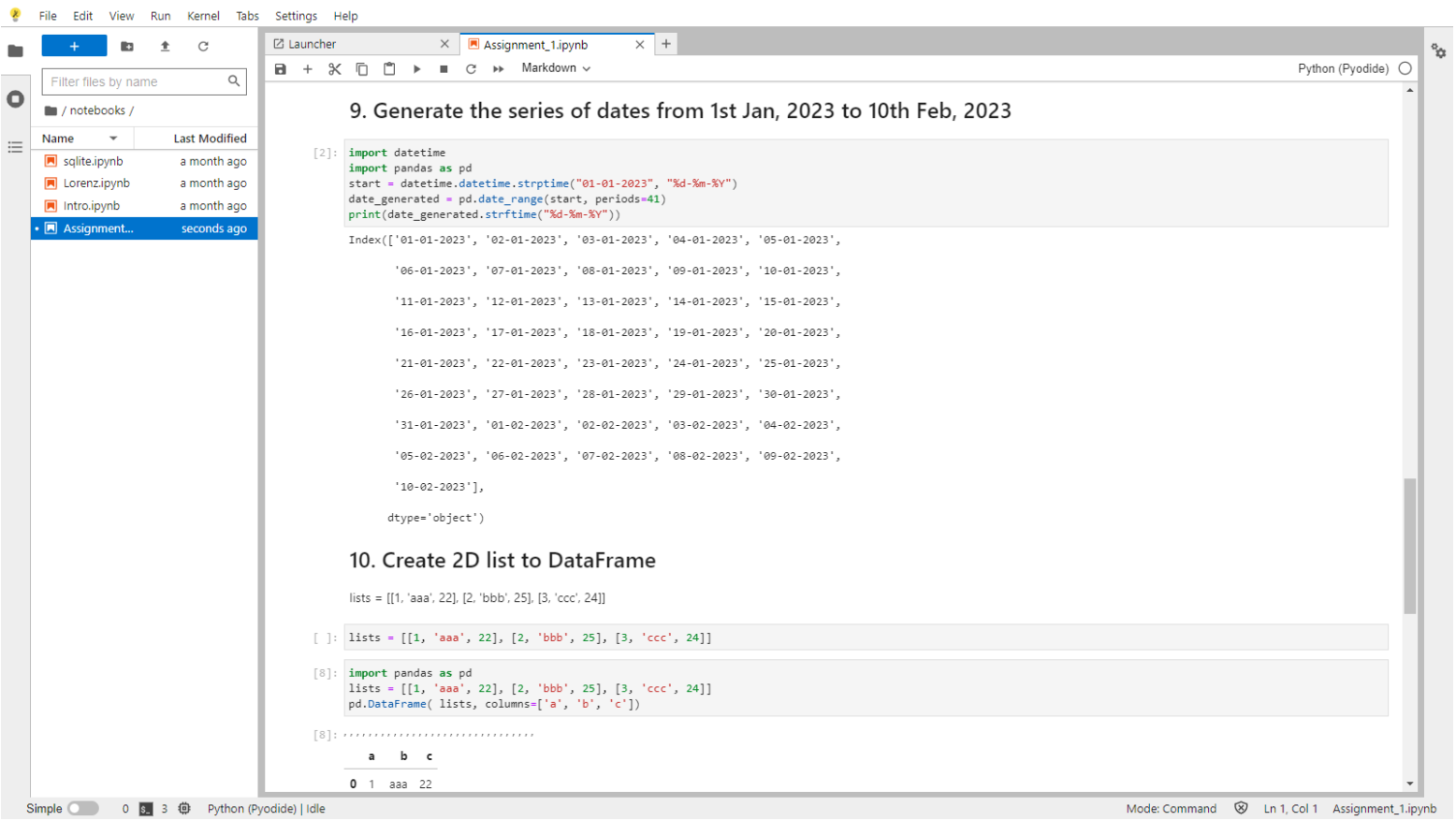
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'21-01-2023', '22-01-2023', '23-01-2023', '24-01-2023', '25-01-2023',
'26-01-2023', '27-01-2023', '28-01-2023', '29-01-2023', '30-01-2023',
'31-01-2023', '01-02-2023', '02-02-2023', '03-02-2023', '04-02-2023',
'05-02-2023', '06-02-2023', '07-02-2023', '08-02-2023', '09-02-2023',
'10-02-2023'],
dtype='object')
10. Create 2D list to DataFrame
lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]
[ ]: lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]
[8]: import pandas as pd
lists = [[1, 'aaa', 22], [2, 'bbb', 25], [3, 'ccc', 24]]
pd.DataFrame(lists, columns=['a', 'b', 'c'])
[8]:
a b c
0 1 aaa 22
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