

tim

August 30, 2023

```
[1]: inventory={
      'purchase':500,
      'bag':['apple','bread','milk'],
      'pack':['canvas','paper', 'rope', 'loaf']
    }
    x=inventory.items()
    print(x)
```

```
dict_items([('purchase', 500), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'paper', 'rope', 'loaf'])])
```

```
[16]: inventory={
      'purchase':500,
      'bag':['apple','bread','milk'],
      'pack':['canvas','paper', 'rope', 'loaf']
    }
    x=inventory.items()
    print(x)
    inventory['pocket']=['shell', 'berry','mint']
    print(x)
```

```
dict_items([('purchase', 500), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'paper', 'rope', 'loaf'])])
dict_items([('purchase', 500), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'paper', 'rope', 'loaf']), ('pocket', ['shell', 'berry', 'mint'])])
```

```
[14]: inventory['pack'].remove('paper')
```

```
-----
ValueError                                Traceback (most recent call last)
Cell In [14], line 1
----> 1 inventory['pack'].remove('paper')

ValueError: list.remove(x): x not in list
```

```
[15]: inventory={
      'purchase':500,
      'bag':['apple','bread','milk'],
```

```

        'pack':['canvas','paper', 'rope', 'loaf']
    }
    x=inventory.items()
    print(x)
    inventory['pack'].remove('paper')
    print(x)

```

```

dict_items([('purchase', 500), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'paper', 'rope', 'loaf'])])
dict_items([('purchase', 500), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'rope', 'loaf'])])

```

```
[20]: inventory['purchase']+=50
```

```
[19]: inventory={
        'purchase':500,
        'bag':['apple','bread','milk'],
        'pack':['canvas','paper', 'rope', 'loaf']
    }
    x=inventory.items()
    print(x)
    inventory['purchase']+=50
    print(x)

```

```

dict_items([('purchase', 500), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'paper', 'rope', 'loaf'])])
dict_items([('purchase', 550), ('bag', ['apple', 'bread', 'milk']), ('pack',
['canvas', 'paper', 'rope', 'loaf'])])

```

```
[25]: prices={
        'banana':4,
        'apple':2,
        'orange':1.5,
        'pear':3
    }
    stock={
        'banana':6,
        'apple':0,
        'orange':32,
        'pear':15
    }
    total=0
    for x in prices:
        if x in stock:
            y=prices(x)*stock(x)
            print('the value of {x}',{y})
            total+=y
        else:

```

```
print('the value of {x} not found', total)
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In [25], line 16
    14 for x in prices:
    15     if x in stock:
--> 16         y=prices(x)*stock(x)
    17         print('the value of {x}',{y})
    18         total+=y

TypeError: 'dict' object is not callable
```

```
[ ]: def main():
      outfile = open('C:/Users/Administrator/Downloads/student.csv', 'r')
      fcontent=outfile.read()
      print(fcontent)
      outfile.close()
```

```
main()
```

```
[42]: def main():
      student = {}

      try:
          # Open the CSV file for reading
          outfile = open('C:/Users/Administrator/Downloads/student.csv', 'r')

          lines = outfile.readlines() # Read all lines in the file

          # Iterate through each line (excluding the header)
          for line in lines[1:]:
              columns = line.strip().split(',') # Split the line into columns

              if len(columns) >= 2:
                  student_name = columns[0] # Extract student name from the
                  ↪first column
                  page_views = columns[1] # Extract page views from the second
                  ↪column
                  student[student_name] = page_views # Add to the dictionary

      print(student)
```

```

except:
    print("An error occurred while reading the file.")

    # Make sure to close the file even if an exception occurs
    outfile.close()

main()

```

```

{'Zohaib Ahsan': '306', 'Shreya Vohra': '343', 'Mitaksha Aggarwal': '108',
'Pratik Devkota': '238', 'Seema Verma': '279', 'Mohamed Shariq Usoof': '254',
'Tanzida Kazi': '263', 'Ishant Bhandari': '132', 'Gireesh Varma Mahali': '368',
'Bhagya Hewa Marambage': '440', 'Jieun Kim': '342', 'Nikolaos Anestakis': '911',
'Nabeel Ahmed': '315', 'Ilawin Akkasintawangkul': '91', 'William Weyland':
'233', 'Anju Anju': '33', 'Chong Zheng Lau': '269', 'Adnan Adnan Ahmed': '208',
'Joshua Lillington-Moore': '504', 'Fabi Reulein': '431', 'Gia Huy Tran': '314',
'Hairuo Sun': '397', 'Zhengrong Liang': '514', 'Jamal Yami': '176', 'Zeeshan
Naseeb': '302', 'Syed Muhammad Ali': '206', 'Mathew Kouch': '150', 'Manpreet
Kaur': '224', 'Amardeep': '101', 'Ramsha Asif': '392', 'Ninura Kanakaratne':
'304', 'Conleth Brooks': '178', 'Denis Weyland': '288', 'Muhammad Ahmad': '296',
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Kelly': '238', 'Mahad Aaden': '86', 'Ranjan Pandey': '616', 'Ashishkumar
Shivalalbbhai Vekariya': '209', 'Mark Sun': '320', 'Xiaoqing Wang': '17', 'Kenil
Jaysukhbhai Koshiya': '287', 'Shankey Goyal': '32', 'Nawaf Mohammed S
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Sudeshi Therese Shenuki Perera': '557', 'Hong Hai Dang Nguyen': '314', 'Riya
Shrestha': '512', 'Saurav Rajeshbhai Bhila': '438', 'Sachin Pattan': '285',
'Muga Chemjong': '572', 'Pornkanok Tantewee': '743', 'Chidpasong Nandavong':
'439', 'Muhammed Althaf Chandroth Memi': '-', 'Janith Malinda Samaraweera
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'Dax Dobariya': '447', 'Ajay Dhillon': '-', 'Jogesh Vivek Mahambare': '241',
'Aastha Shrestha': '611', 'Parry Liang Wu Shieu': '446', 'Ziyad Saleh S Alamri':
'158', 'Vishwa Isuwara Punchihewa Gardiye Wasam Punchihewalage': '480', 'Viditha
Amarasinghe': '-', 'Denni Winata': '237', 'Ash Johnson': '205', 'Dimitri
Kosmopoulos': '335', 'Shreya Balaraman': '380', 'Geetanjali Purohit': '295',
'Toran Kumar Behera': '621', 'Aditya Roy': '189', 'Chrysander Soliment': '614',
'Yasith Kudagamage': '289', 'Erfanul Haque': '289', 'Aswin Pathak': '233', 'Adas
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'Peter Luong': '167', 'Roba Moafa': '269', 'Aryankumar Hareshbhai Nayi': '298',
'Muhammad Waqas Khalid': '388', 'Mahesh Kaluram Gurjar': '239', 'Sharon Salvia
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Chandra Neruvatla': '99', 'Tuan Dat Nguyen': '330', 'Sreehari Madhusoodhanan
Sreelatha': '213', 'Ahmed Zeeshair': '560', 'Meshari Ezaah R Althubaiti': '413',
'Simranjeet Kaur': '179', 'Balagopalapracheetha Senthilkumar': '617', 'Khushbu
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 'Nur Sarikaya': '1152', 'Abdul Rab': '296', 'Shehan Kavishka Chandrapala
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 'Glenn Turnham': '90', 'Muhammad Asim': '286', 'Harpreet Kaur': '372', 'Hetalben
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 'Nanthouchaporn Nitikanjanatan': '637', 'Pattarapol Laovanich': '508', 'Rohan
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 'Brian Zhang': '242', 'Hem Gandhi': '211', 'Sukhmanpreet Sukhmanpreet': '546',
 'Malidi Wageesha Jinadasa': '721', 'Gaurav Jayeshbhai Avaiya': '342', 'Minh Le':
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 'Sagar Dahal': '321', 'Mai Linh Nguyen': '671', 'Trung Ngo': '196', 'Bastian
 Nguyen Duy': '695', 'Michael Zablocki': '67', 'Dieu Linh Chu': '350', 'Saleh
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 Sanatbhai Baraiya': '495', 'Faisal Shah Khan': '170', 'Muhammad Arfan Wahlah':
 '278', 'Yaoshan Zhong': '272', 'Abdul Munaf Mohammed Fiaz': '298', 'Namfon
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 '272', 'Sammit Rajaram Raut': '210', 'Anusha Rudraraju': '378', 'Ramish Javed':
 '265', 'Qin Mo': '423', 'Kavin Shanmugam': '248', 'Owais Ahmad': '250', 'Varun
 Shivakumar': '573', 'Karan Dharmendrakumar Rathod': '334', 'Danish Mehmood':
 '560', 'Kayla WAN': '373', 'Muhammad Hannan Asif': '238', 'Krina Sukhadiya':
 '335', 'Tu Phuong Dang': '203', 'Lovleen Dhand': '8', 'Chirag Satwani': '272',
 'Thilara Ekanayake': '295', 'Thaveesha Ruchiran Kuruppuarachchi Kuruppu
 Arachchige': '190', 'Balaji Mummidi': '366', 'Fahad Alateeq': '848', 'Liibaan
 Aaden': '324', 'Neeraj': '492', 'Venuka Thantrige Perera': '463', 'Young Woo
 Jeon': '999', 'Varnika Vikas Jain': '228', 'Ha Trang Nguyen': '297', 'Aayush
 Joshi': '159', 'Junlong Chen': '251', 'Manish Kumar Manish Kumar': '44', 'Rayan
 Salman S Alshabani': '396', 'Tiffany Jowono': '177', 'George Salib': '215',
 'Abdul Rafay Javed': '229', 'Vishwanath Alagappan': '496', 'Elinya Dyer': '151',
 'Adnan Aslam': '34', 'Napatchada Rookan': '676', 'Kolpanhabotr Phat': '169'}

```
[63]: def main():
    student = {}

    try:
        # Open the CSV file for reading
        outfile = open('C:/Users/Administrator/Downloads/student.csv', 'r')

        lines = outfile.readlines() # Read all lines in the file

        # Iterate through each line (excluding the header)
        for line in lines[1:]:
            columns = line.strip().split(',') # Split the line into columns

            if len(columns) >= 2:
                student_name = columns[0] # Extract student name from the
                #first column
                page_views = columns[1] # Extract page views from the second
                #column
                student[student_name] = page_views # Add to the dictionary
                sorted_student = dict(sorted(student.items()))

            for student_name, page_views in sorted_student.items():
                print(f"Student Name: {student_name}, Page Views: {page_views}")

    except:
        print("An error occurred while reading the file.")

    # Make sure to close the file even if an exception occurs
    outfile.close()

main()
```

```
Student Name: Aan Noor Rahman, Page Views: 460
Student Name: Aastha Shrestha, Page Views: 611
Student Name: Aayush Joshi, Page Views: 159
Student Name: Abdul Munaf Mohammed Fiaz, Page Views: 298
Student Name: Abdul Rab, Page Views: 296
Student Name: Abdul Rafay, Page Views: 152
Student Name: Abdul Rafay Javed, Page Views: 229
Student Name: Abdullah Tariq, Page Views: 519
Student Name: Abdurrahman Faqih Bin Iskandar, Page Views: 280
Student Name: Adas Shileika, Page Views: 367
Student Name: Aditya Roy, Page Views: 189
Student Name: Adnan Adnan Ahmed, Page Views: 208
Student Name: Adnan Aslam, Page Views: 34
Student Name: Agung Sidi, Page Views: 69
Student Name: Ahmed Zeeshair, Page Views: 560
Student Name: Allen Huang, Page Views: 395
```

Student Name: Amardeep, Page Views: 101
Student Name: Anju Anju, Page Views: 33
Student Name: Anthony Basile, Page Views: 202
Student Name: Anusha Rudraraju, Page Views: 378
Student Name: Arief Frima Saipul, Page Views: 1891
Student Name: Aryankumar Hareshbhai Nayi, Page Views: 298
Student Name: Arzuben Rakeshkumar Patel, Page Views: 1006
Student Name: Asad Mehmood Mughal, Page Views: 237
Student Name: Ash Johnson, Page Views: 205
Student Name: Ashishkumar Shivalalbbhai Vekariya, Page Views: 209
Student Name: Aswin Pathak, Page Views: 233
Student Name: Athul Jayakumar, Page Views: 332
Student Name: Balagopalapracheethaa Senthilkumar, Page Views: 617
Student Name: Balaji Mummidi, Page Views: 366
Student Name: Basavapriya, Page Views: 720
Student Name: Bastian Nguyen Duy, Page Views: 695
Student Name: Bhagya Hewa Marambage, Page Views: 440
Student Name: Bhawana Joshi, Page Views: 253
Student Name: Bhumi Sanatbhai Baraiya, Page Views: 495
Student Name: Bhumit Bhaveshbhai Goti, Page Views: 355
Student Name: Brian Zhang, Page Views: 242
Student Name: Cao Tuan Luong, Page Views: 373
Student Name: Chaeyeon Im, Page Views: 360
Student Name: Charlie Kelly, Page Views: 238
Student Name: Chidpasong Nandavong, Page Views: 439
Student Name: Chirag Satwani, Page Views: 272
Student Name: Chong Zheng Lau, Page Views: 269
Student Name: Chrysander Soliment, Page Views: 614
Student Name: Claude Pons Garcia, Page Views: 264
Student Name: Conleth Brooks, Page Views: 178
Student Name: Daljeet Singh, Page Views: 69
Student Name: Danish Mehmood, Page Views: 560
Student Name: Dax Dobariya, Page Views: 447
Student Name: Denis Weyland, Page Views: 288
Student Name: Denni Winata, Page Views: 237
Student Name: Dieu Linh Chu, Page Views: 350
Student Name: Dimitri Kosmopoulos, Page Views: 335
Student Name: Dishanya Nimnadhi Chandrasena Mohottige, Page Views: 384
Student Name: Doan Nhat Minh Do, Page Views: 20
Student Name: Durkhasa Husaini, Page Views: 363
Student Name: Elinya Dyer, Page Views: 151
Student Name: Erdenebat Altangerel, Page Views: 266
Student Name: Erfanul Haque, Page Views: 289
Student Name: Esmeralda De Silva, Page Views: 263
Student Name: Fabi Reulein, Page Views: 431
Student Name: Fahad Alateeq, Page Views: 848
Student Name: Fahim Shahrear, Page Views: 205
Student Name: Faisal Shah Khan, Page Views: 170

Student Name: Faraz Mohammed, Page Views: 62
 Student Name: Gaurav Jayeshbhai Avaiya, Page Views: 342
 Student Name: Geetanjali Purohit, Page Views: 295
 Student Name: George Salib, Page Views: 215
 Student Name: Ghaida Abdullah M Abobakr, Page Views: 632
 Student Name: Gia Huy Tran, Page Views: 314
 Student Name: Gireesh Varma Mahali, Page Views: 368
 Student Name: Glenn Turnham, Page Views: 90
 Student Name: Guillaume Zhu, Page Views: 419
 Student Name: Ha Duong Nguyen, Page Views: 93
 Student Name: Ha Trang Nguyen, Page Views: 297
 Student Name: Hairuo Sun, Page Views: 397
 Student Name: Harpreet Kaur, Page Views: 372
 Student Name: Harsh Mukeshbhai Vaghasiya, Page Views: 572
 Student Name: Harsimranjit Kaur, Page Views: 349
 Student Name: Hem Gandhi, Page Views: 211
 Student Name: Henry Nguyen, Page Views: 665
 Student Name: Hetalben Dabhi, Page Views: 462
 Student Name: Hong Hai Dang Nguyen, Page Views: 314
 Student Name: Htet Tay Za Win, Page Views: 418
 Student Name: Ilawin Akkasintawangkul, Page Views: 91
 Student Name: Ishant Bhandari, Page Views: 132
 Student Name: Jamal Yami, Page Views: 176
 Student Name: Janith Malinda Samaraweera Kiribandara Appuhamillage Don, Page Views: 238
 Student Name: Jaspreet Kaur, Page Views: 412
 Student Name: Jieun Kim, Page Views: 342
 Student Name: Jinming Ji, Page Views: 290
 Student Name: Jogesh Vivek Mahambare, Page Views: 241
 Student Name: Joshua Lillington-Moore, Page Views: 504
 Student Name: Junladit Rowsathien, Page Views: 325
 Student Name: Junlong Chen, Page Views: 251
 Student Name: Kalpani Tharanga Sarathchandra Adikari Mudiyanseelage, Page Views: 226
 Student Name: Kaluarachchige Sudeshi Therese Shenuki Perera, Page Views: 557
 Student Name: Karan Dharmendrakumar Rathod, Page Views: 334
 Student Name: Kavin Shanmugam, Page Views: 248
 Student Name: Kayla WAN, Page Views: 373
 Student Name: Kenil Jaysukhbhai Koshiya, Page Views: 287
 Student Name: Kevin Joseph David, Page Views: 128
 Student Name: Khadeejah Habib, Page Views: 508
 Student Name: Khilan Ghanshyambhai Harsoda, Page Views: 78
 Student Name: Khushbu Bhatia, Page Views: 662
 Student Name: Kolpanhabotr Phat, Page Views: 169
 Student Name: Krina Sukhadiya, Page Views: 335
 Student Name: Liibaan Aaden, Page Views: 324
 Student Name: Lingyu Guo, Page Views: 335
 Student Name: Lovleen Dhand, Page Views: 8

Student Name: Lucy Sturge, Page Views: 1096
Student Name: Mahad Aaden, Page Views: 86
Student Name: Mahdia Amina, Page Views: 428
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Student Name: Malidi Wageesha Jinadasa, Page Views: 721
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Student Name: Manith Godamunne, Page Views: 457
Student Name: Manpreet Kaur, Page Views: 224
Student Name: Manya Manya, Page Views: 57
Student Name: Margarita Litvinova, Page Views: 814
Student Name: Mark Sun, Page Views: 320
Student Name: Mathew Kouch, Page Views: 150
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Student Name: Meshari Ezaah R Althubaiti, Page Views: 413
Student Name: Michael Van Der Merwe, Page Views: 121
Student Name: Michael Zablocki, Page Views: 67
Student Name: Minh Le, Page Views: 73
Student Name: Minh Quang Pham, Page Views: 481
Student Name: Mitaksha Aggarwal, Page Views: 108
Student Name: Mohamed Shariq Usoof, Page Views: 254
Student Name: Mohd Ibrahim Hussain, Page Views: 272
Student Name: Muga Chemjong, Page Views: 572
Student Name: Muhammad Ahmad, Page Views: 296
Student Name: Muhammad Arfan Wahlah, Page Views: 278
Student Name: Muhammad Asim, Page Views: 286
Student Name: Muhammad Hannan Asif, Page Views: 238
Student Name: Muhammad Waqas Khalid, Page Views: 388
Student Name: Nabeel Ahmed, Page Views: 315
Student Name: Namfon Jaisut, Page Views: 733
Student Name: Nanthouchaporn Nitikanjanatan, Page Views: 637
Student Name: Napatchada Rookan, Page Views: 676
Student Name: Navjot Singh Bijral, Page Views: 531
Student Name: Nawaf Mohammed S Alzuhayri, Page Views: 401
Student Name: Neeraj, Page Views: 492
Student Name: Nijam Shrestha, Page Views: 286
Student Name: Nikesh Kumar, Page Views: 564
Student Name: Nikhil Pravinbhai Tejani, Page Views: 268
Student Name: Nikita Sahrawat, Page Views: 125
Student Name: Nikolaos Anastakis, Page Views: 911
Student Name: Ninura Kanakaratne, Page Views: 304
Student Name: Nisha Jose, Page Views: 366
Student Name: Nur Sarikaya, Page Views: 1152
Student Name: Olga Jemeljanova, Page Views: 284
Student Name: Owais Ahmad, Page Views: 250
Student Name: Parry Liang Wu Shieu, Page Views: 446

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 Student Name: Pornkanok Tantewee, Page Views: 743
 Student Name: Pratik Devkota, Page Views: 238
 Student Name: Prithvi Chaudhary, Page Views: 209
 Student Name: Qin Mo, Page Views: 423
 Student Name: Rahul Kumar, Page Views: 3
 Student Name: Rakesh Saka, Page Views: 736
 Student Name: Ramana Anand Sivasubramanian, Page Views: 174
 Student Name: Ramish Javed, Page Views: 265
 Student Name: Ramsha Asif, Page Views: 392
 Student Name: Ranjan Pandey, Page Views: 616
 Student Name: Rayan Salman S Alshabani, Page Views: 396
 Student Name: Riya Rani, Page Views: 136
 Student Name: Riya Shrestha, Page Views: 512
 Student Name: Roba Moafa, Page Views: 269
 Student Name: Rohan Wadhwa, Page Views: 92
 Student Name: Ryan Lo, Page Views: 511
 Student Name: Sabdar Shareef Mohammed, Page Views: 658
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 Student Name: Sagar Dahal, Page Views: 321
 Student Name: Saleh Awad S Al Mahri, Page Views: 355
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 Student Name: Saurav Rajeshbhai Bhila, Page Views: 438
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 Student Name: Senath Vihan Elvitigala, Page Views: 257
 Student Name: Shankey Goyal, Page Views: 32
 Student Name: Sharath Chandra Neruvatla, Page Views: 99
 Student Name: Sharon Salvia Joseph Dominic, Page Views: 451
 Student Name: Shayan Ahmed Siddiqui, Page Views: 282
 Student Name: Shehan Kavishka Chandrapala Kospanwatte Gedara, Page Views: 265
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 Student Name: Syed Muhammad Ali, Page Views: 206
 Student Name: TJ Dabral, Page Views: 243
 Student Name: Tabish Raza, Page Views: 334
 Student Name: Tanzida Kazi, Page Views: 263
 Student Name: Thaveesha Ruchiran Kuruppuarachchi Kuruppu Arachchige, Page Views: 190

Student Name: Thilara Ekanayake, Page Views: 295
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 Student Name: Trung Ngo, Page Views: 196
 Student Name: Tu Phuong Dang, Page Views: 203
 Student Name: Tuan Dat Nguyen, Page Views: 330
 Student Name: Ubaid Ullah, Page Views: 265
 Student Name: Vanshika Vanshika, Page Views: 396
 Student Name: Varnika Vikas Jain, Page Views: 228
 Student Name: Varun Shivakumar, Page Views: 573
 Student Name: Venuka Thantrige Perera, Page Views: 463
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 Student Name: William Weyland, Page Views: 233
 Student Name: Xiang Li, Page Views: 294
 Student Name: Xiaoqing Wang, Page Views: 17
 Student Name: Yannick Wagner, Page Views: 75
 Student Name: Yaoshan Zhong, Page Views: 272
 Student Name: Yasith Kudagamage, Page Views: 289
 Student Name: Yotish Singh, Page Views: 406
 Student Name: Young Woo Jeon, Page Views: 999
 Student Name: Yukta, Page Views: 485
 Student Name: Zeeshan Naseeb, Page Views: 302
 Student Name: Zhengrong Liang, Page Views: 514
 Student Name: Ziyad Saleh S Alamri, Page Views: 158
 Student Name: Zohaib Ahsan, Page Views: 306

```

[67]: def main():
        student = {}

        try:
            # Open the CSV file for reading
            outfile = open('C:/Users/Administrator/Downloads/student.csv', 'r')

            lines = outfile.readlines() # Read all lines in the file

            # Iterate through each line (excluding the header)
            for line in lines[1:]:
                columns = line.strip().split(',') # Split the line into columns

                if len(columns) >= 2:
                    student_name = columns[0] # Extract student name from the
                    ↪first column
                    page_views = columns[1] # Extract page views from the second
                    ↪column

```

```

        student[student_name] = page_views # Add to the dictionary
        sorted_student = dict(sorted(student.items()))

        # Use dictionary comprehension to filter students with page views
        ↪less than 100
        filtered_students = {student_name: page_views for student_name,
        ↪page_views in sorted_student.items() if page_views < 100}

        # Print the filtered students
        for student_name, page_views in filtered_students.items():
            print(f"Student Name: {student_name}, Page Views: {page_views}")

    except:
        print("An error occurred while reading the file.")

        # Make sure to close the file even if an exception occurs
        outfile.close()

main()

```

An error occurred while reading the file.

[]: