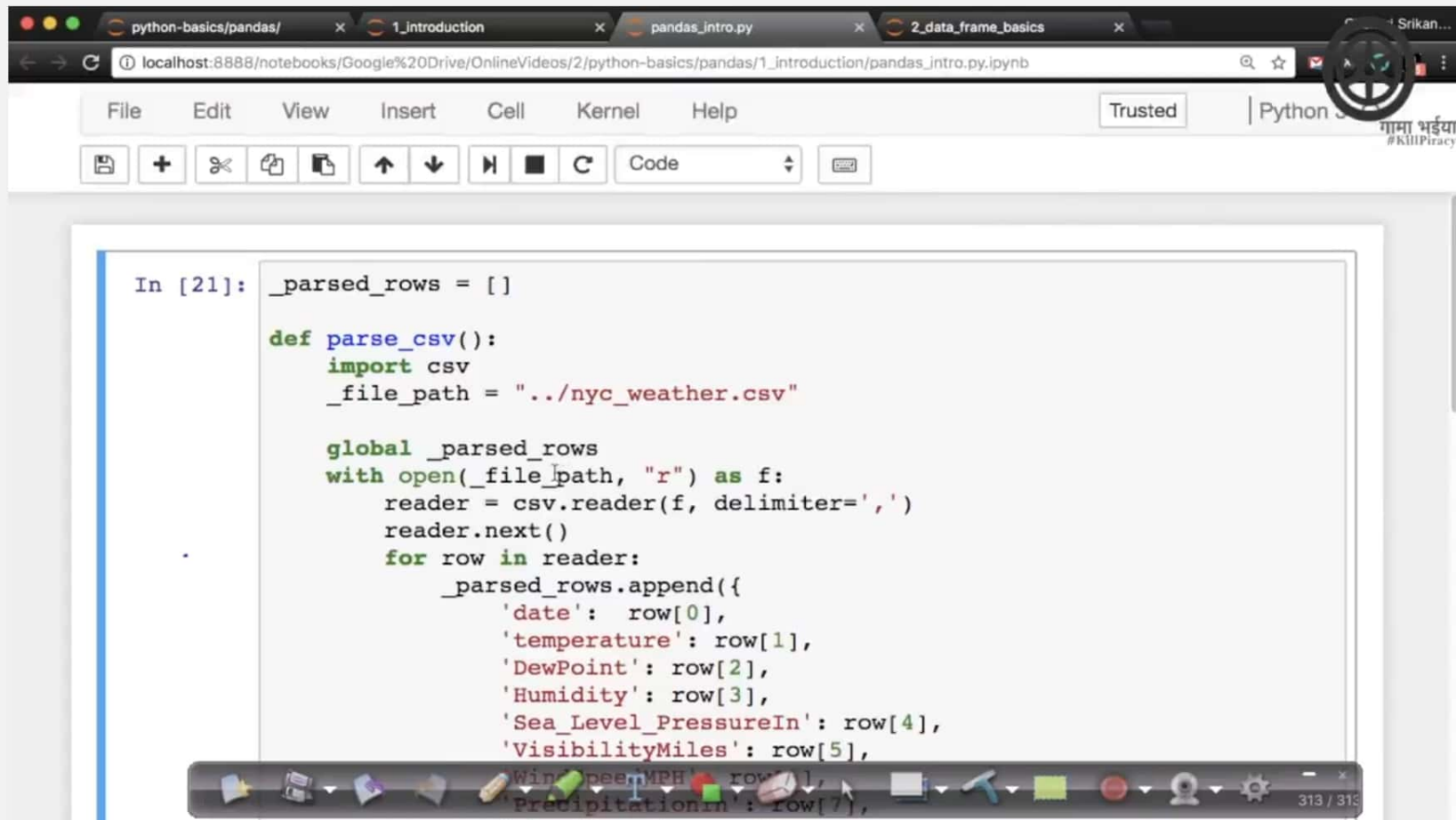


9:57

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```
In [21]: _parsed_rows = []

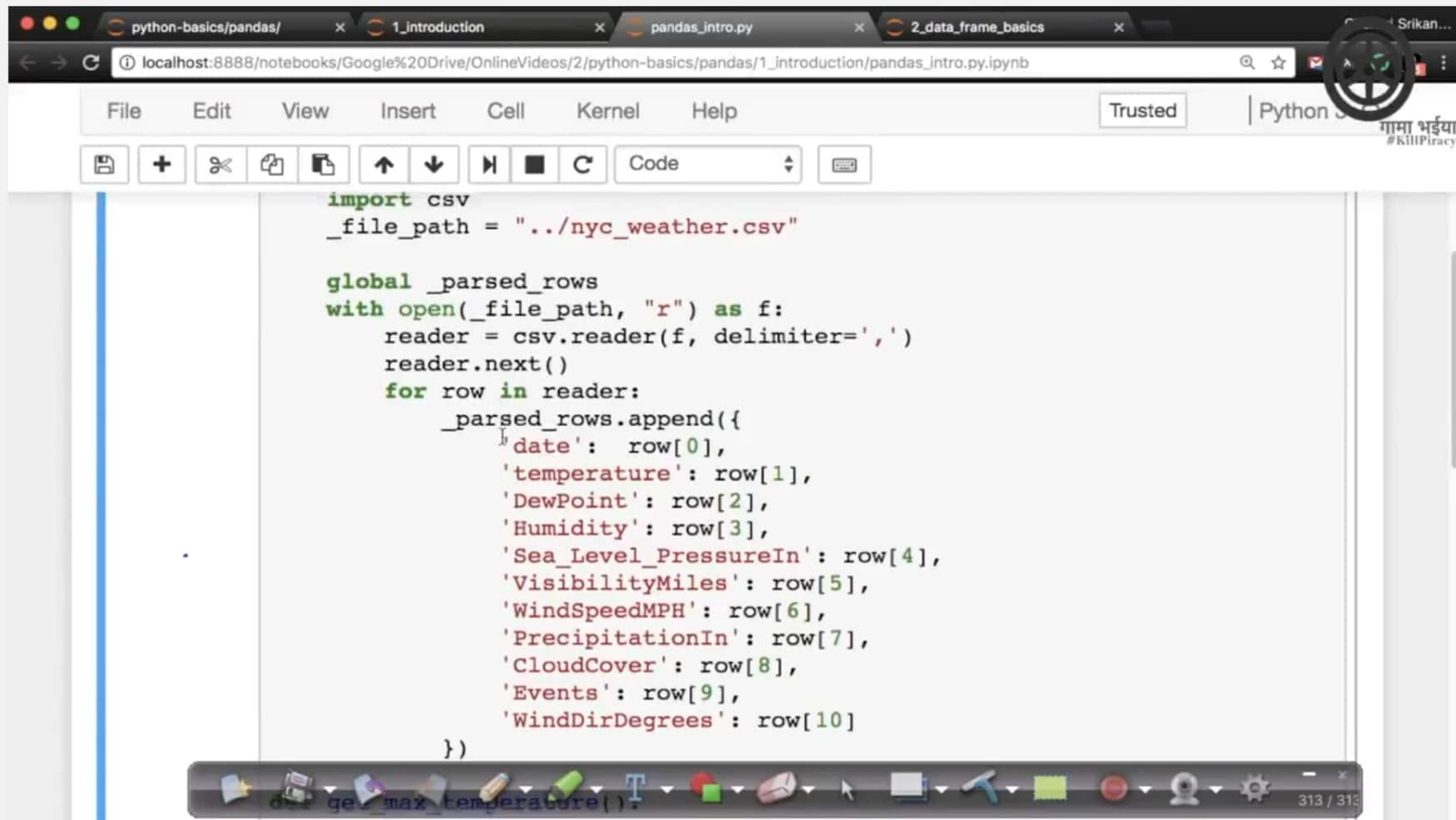
def parse_csv():
    import csv
    _file_path = "../nyc_weather.csv"

    global _parsed_rows
    with open(_file_path, "r") as f:
        reader = csv.reader(f, delimiter=',')
        reader.next()
        for row in reader:
            _parsed_rows.append({
                'date': row[0],
                'temperature': row[1],
                'DewPoint': row[2],
                'Humidity': row[3],
                'Sea_Level_PressureIn': row[4],
                'VisibilityMiles': row[5],
                'WindSpeedMPH': row[6],
                'PrecipitationIn': row[7],
                'CloudCover': row[8]
            })
```



9:58

VoLTE 5 KB/s 4G+ 45%



The screenshot shows a Jupyter Notebook interface with a menu bar (File, Edit, View, Insert, Cell, Kernel, Help) and a toolbar with icons for saving, adding, deleting, and running code. The notebook is titled 'pandas\_intro.py' and is running on a local host. The code in the notebook is as follows:

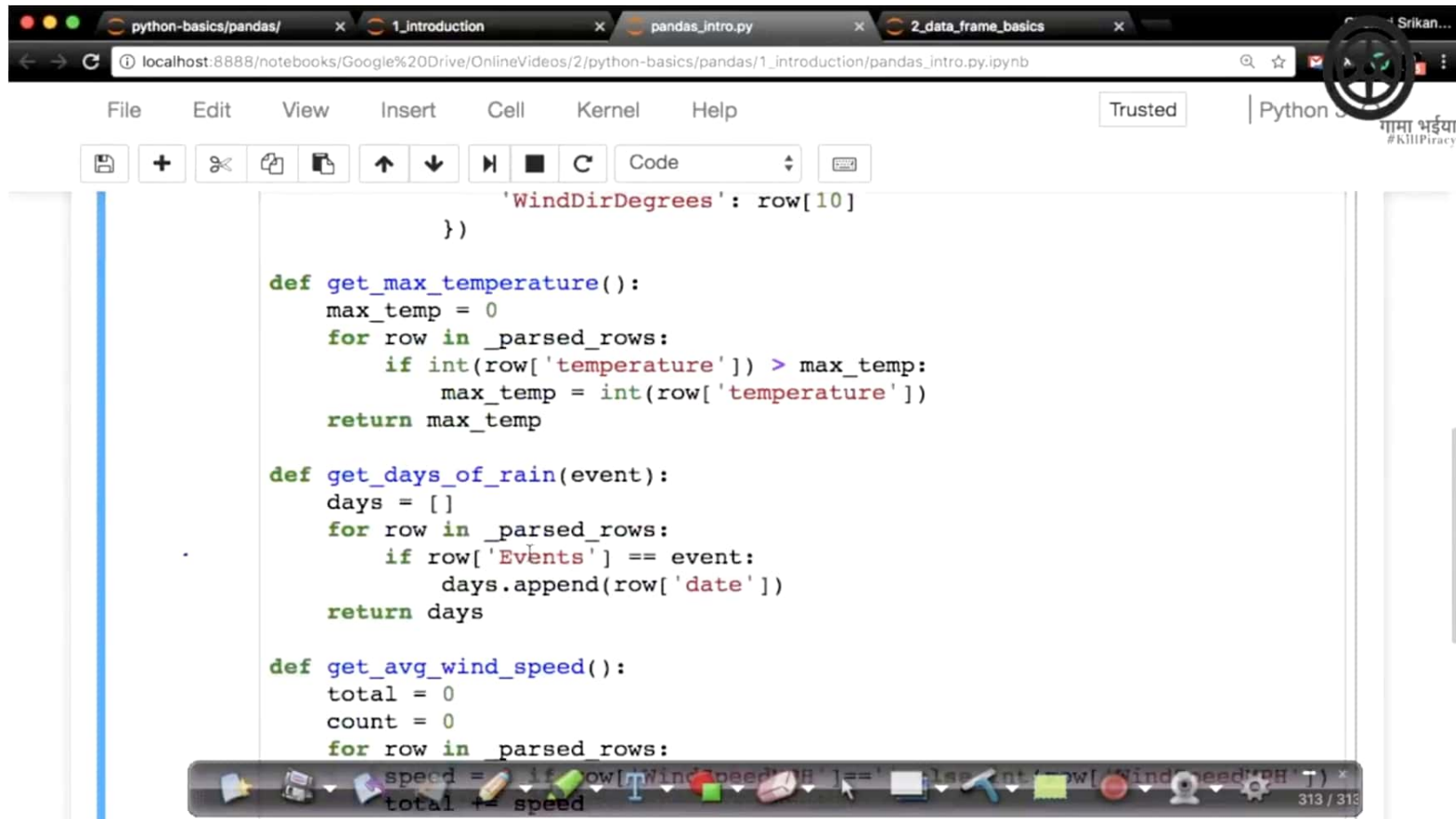
```
import csv
_file_path = "../nyc_weather.csv"

global _parsed_rows
with open(_file_path, "r") as f:
    reader = csv.reader(f, delimiter=',')
    reader.next()
    for row in reader:
        _parsed_rows.append({
            'date': row[0],
            'temperature': row[1],
            'DewPoint': row[2],
            'Humidity': row[3],
            'Sea_Level_PressureIn': row[4],
            'VisibilityMiles': row[5],
            'WindSpeedMPH': row[6],
            'PrecipitationIn': row[7],
            'CloudCover': row[8],
            'Events': row[9],
            'WindDirDegrees': row[10]
        })
```

The code defines a global variable `_parsed_rows` and uses a `with` statement to open the file `../nyc_weather.csv`. It then creates a `csv.reader` object and iterates over each row, appending a dictionary to `_parsed_rows` with keys for various weather-related fields.

9:58

VoLTE 2 MB/s 4G+ 45%



The screenshot shows a Jupyter Notebook interface with a browser window at the top. The browser tabs include 'python-basics/pandas/', '1\_Introduction', 'pandas\_intro.py', and '2\_data\_frame\_basics'. The address bar shows 'localhost:8888/notebooks/Google%20Drive/OnlineVideos/2/python-basics/pandas/1\_introduction/pandas\_intro.py.ipynb'. The notebook interface has a menu bar (File, Edit, View, Insert, Cell, Kernel, Help) and a toolbar with icons for saving, adding cells, and navigating. The code in the notebook is as follows:

```
        'WindDirDegrees': row[10]
    })

def get_max_temperature():
    max_temp = 0
    for row in _parsed_rows:
        if int(row['temperature']) > max_temp:
            max_temp = int(row['temperature'])
    return max_temp

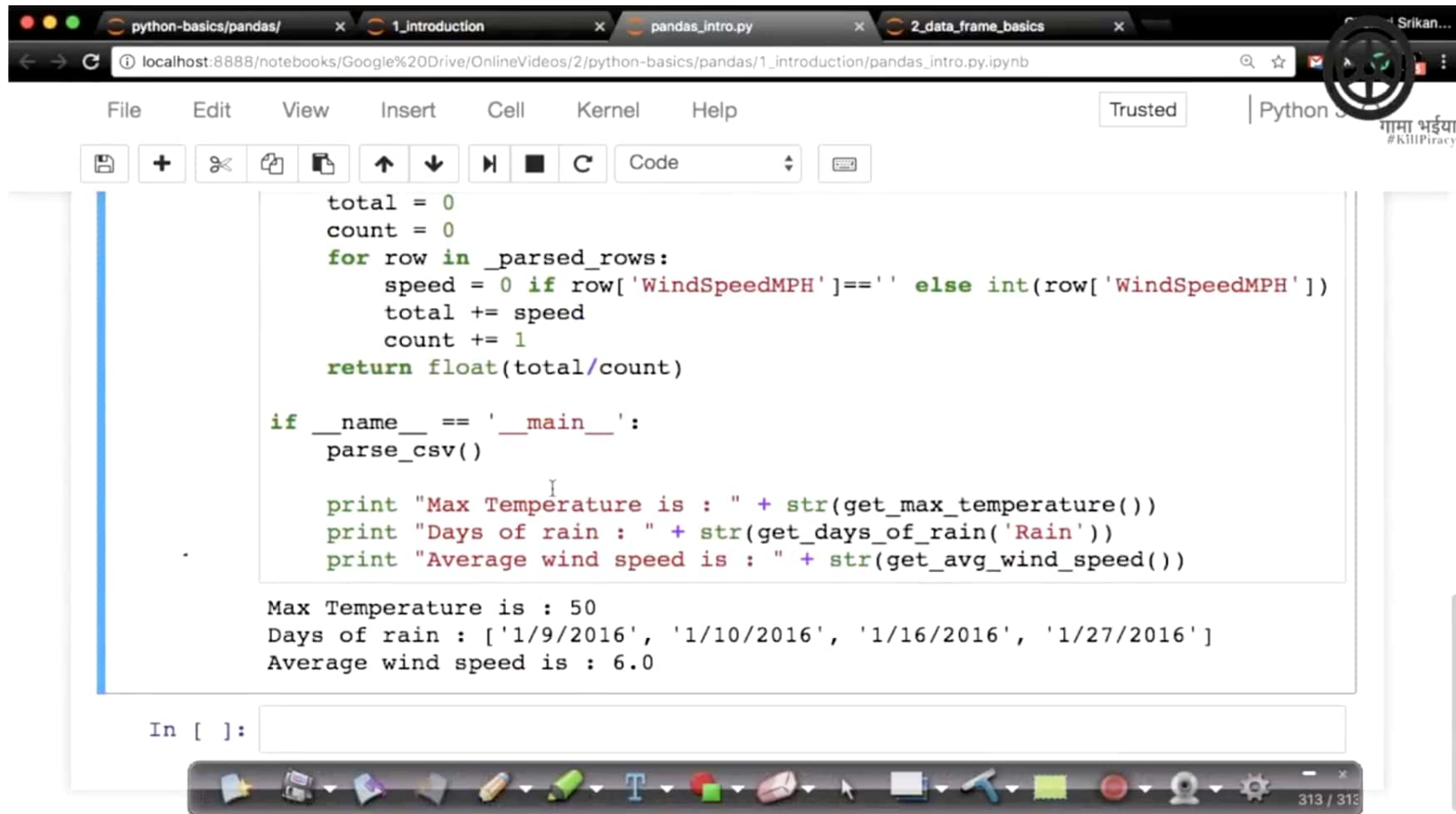
def get_days_of_rain(event):
    days = []
    for row in _parsed_rows:
        if row['Events'] == event:
            days.append(row['date'])
    return days

def get_avg_wind_speed():
    total = 0
    count = 0
    for row in _parsed_rows:
        speed = int(row['WindSpeedMPH'])
        total += speed
```

The bottom of the image shows a macOS dock with various application icons and a system status bar indicating '313 / 313'.

9:58

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The screenshot displays a Jupyter Notebook interface with the following components:

- Browser Tabs:** python-basics/pandas/, 1\_introduction, pandas\_intro.py, 2\_data\_frame\_basics.
- Address Bar:** localhost:8888/notebooks/Google%20Drive/OnlineVideos/2/python-basics/pandas/1\_introduction/pandas\_intro.py.ipynb
- Menu Bar:** File, Edit, View, Insert, Cell, Kernel, Help.
- Toolbar:** Includes icons for saving, adding cells, undo, redo, and running code.
- Code Cell:**

```
total = 0
count = 0
for row in _parsed_rows:
    speed = 0 if row['WindSpeedMPH']==' ' else int(row['WindSpeedMPH'])
    total += speed
    count += 1
return float(total/count)

if __name__ == '__main__':
    parse_csv()

    print "Max Temperature is : " + str(get_max_temperature())
    print "Days of rain : " + str(get_days_of_rain('Rain'))
    print "Average wind speed is : " + str(get_avg_wind_speed())
```
- Output:**

```
Max Temperature is : 50
Days of rain : ['1/9/2016', '1/10/2016', '1/16/2016', '1/27/2016']
Average wind speed is : 6.0
```
- Input Prompt:** In [ ]:
- Bottom Bar:** A toolbar with various drawing and editing tools, and a page indicator showing 313 / 313.