```
        ( Start )
            |
            v
    +-----------------+
    | Import random,  |
    | pandas. matplotlib |
    +-----------------+
            |
            v
    +-----------------+
    | md = read_csv("MD_ |
    | COVID_By_County |
    | .csv")          |
    +-----------------+
            |
            v
    +-----------------+
    | stateCases = mdCases |
    | stateName = "Maryland" |
    | Call countiesIncreases function |
    +-----------------+
            |
            v
    +-----------------+
    | convert dates in |
    | stateCases from |
    | string to datetime |
    +-----------------+
            |
            v
    +-----------------+
    | set title for graph |
    | plotting        |
    +-----------------+
            |
            v
    +-----------------+
    | use stateCases.diff() to |
    | generate a dataframe that |
    | represent the increased |
    | number of cases each day |
    | by county       |
    +-----------------+
            |
            v
    +-----------------+
    | assign          |
    | stateCases dates to |
    | diff            |
    +-----------------+
            |
            v
    +-----------------+
    | set title for graph |
    | plotting        |
    +-----------------+
            |
            v
    +-----------------+
    | i = 2           |
    +-----------------+
            |
            v
```

(Stop) <--- [use plt.legend() to add a legend] <-- No -- < i < len(diff.columns) ? > <--- [i += 1]

```
                          | Yes
                          v
                  +-----------------+
                  | color = random r,g,b |
                  +-----------------+
                          |
                          v
                  +-----------------+
                  | county = the i-th |
                  | column name in diff |
                  +-----------------+
                          |
                          v
                  +-----------------+
                  | use plt.plot to plot dates, the |
                  | increased number of cases |
                  | each day by county in the |
                  | random color generated |
                  +-----------------+
                          |
                          v
                  +-----------------+
                  | annotate the county |
                  | name on the line |
                  | ploted          |
                  +-----------------+
```