1: Run the application
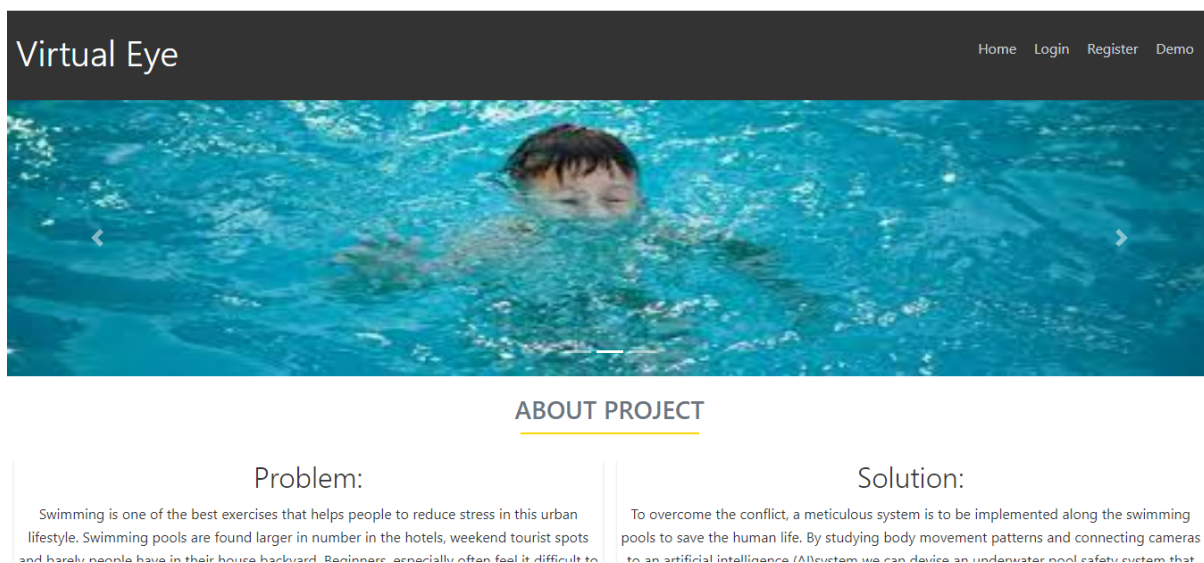
In the anaconda prompt, navigate to the folder in which the flask app is present. When the python file is executed the localhost is activated on 5000 port and can be accessed through it.

```
(yoloenv) C:\Users\HP\Desktop\Drowning-Detector-master\Drowning detect Flask>python app.py
 * Serving Flask app 'app' (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
WARNING: Logging before flag parsing goes to stderr.
I0408 11:41:18.124544  1652 _internal.py:225]  * Restarting with stat
WARNING: Logging before flag parsing goes to stderr.
W0408 11:41:31.445689 14384 _internal.py:225]  * Debugger is active!
I0408 11:41:31.454634 14384 _internal.py:225]  * Debugger PIN: 523-440-810
I0408 11:41:32.566401 15416 _internal.py:225]  * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

2: Open the browser and navigate to http://127.0.0.1:5000 to check your application

The home page looks like this. You can click on login or register

While logging in you need to provide your registered credentials,

Enter registered email ID

Enter Password

Login

After successfully login you will redirect to the prediction page where we have to click on the demo button to launch the opencv window for video analysis..

Virtual Eye   Home   Logout

Virtual Eye- Life Guard for Swimming Pools to Detect Active Drowning

Swimming is one of the best exercises that helps people to reduce stress in this urban lifestyle. Swimming pools are found larger in number in the hotels, weekend tourist spots and barely people have in their house backyard. Beginners, especially often feel it difficult to breathe under water and causes breathing trouble which in turn cause a drowning accident. Worldwide, drowning produces a higher rate of mortality without causing injury to children. Children under six of their age are found to be suffering the highest drowning mortality rates worldwide..Such kinds of deaths account for the third cause of unplanned death globally, with about 1.2 million cases yearly.

Click Me! For a Demo

Output:-

Virtual Eye   Home   Logout

Virtual Eye- Life Guard for Swimming Pools to Detect Active Drowning

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Click Me! For a Demo

Emergency !!! The Person is drowning

```
4.02861762046814 s
bbox:  [[166, 96, 794, 370]] centre: [480.0, 233.0] centre0: [470.0, 236.0]
Is he drowning:  False
4.574029445648193 s
bbox:  [[166, 93, 796, 371]] centre: [481.0, 232.0] centre0: [480.0, 233.0]
Is he drowning:  False
5.051610946655273 s
bbox:  [[166, 94, 798, 370]] centre: [482.0, 232.0] centre0: [481.0, 232.0]
Is he drowning:  False
5.515615463256836 s
bbox:  [[164, 95, 800, 371]] centre: [482.0, 233.0] centre0: [482.0, 232.0]
Is he drowning:  False
6.090612888336182 s
bbox:  [[166, 94, 798, 370]] centre: [482.0, 232.0] centre0: [482.0, 233.0]
Is he drowning:  False
6.596614599227905 s
bbox:  [[166, 94, 798, 370]] centre: [482.0, 232.0] centre0: [482.0, 232.0]
Is he drowning:  False
7.055608510971069 s
bbox:  [[166, 94, 800, 370]] centre: [483.0, 232.0] centre0: [482.0, 232.0]
Is he drowning:  False
7.511607885360718 s
bbox:  [[165, 94, 799, 372]] centre: [482.0, 233.0] centre0: [483.0, 232.0]
Is he drowning:  False
7.941608190536499 s
bbox:  [[165, 94, 801, 372]] centre: [483.0, 233.0] centre0: [482.0, 233.0]
Is he drowning:  False
8.402607202529907 s
bbox:  [[164, 95, 802, 371]] centre: [483.0, 233.0] centre0: [483.0, 233.0]
Is he drowning:  False
8.862607717514038 s
bbox:  [[164, 95, 800, 371]] centre: [482.0, 233.0] centre0: [483.0, 233.0]
Is he drowning:  False
9.315605878829956 s
bbox:  [[164, 94, 800, 372]] centre: [482.0, 233.0] centre0: [482.0, 233.0]
Is he drowning:  False
9.766611576080322 s
bbox:  [[163, 94, 801, 372]] centre: [482.0, 233.0] centre0: [482.0, 233.0]
Is he drowning:  False
10.213610649108887 s
bbox:  [[164, 94, 802, 372]] centre: [483.0, 233.0] centre0: [482.0, 233.0]
Is he drowning:  True
E0408 11:44:51.929189  8308 playsound.py:63]
```