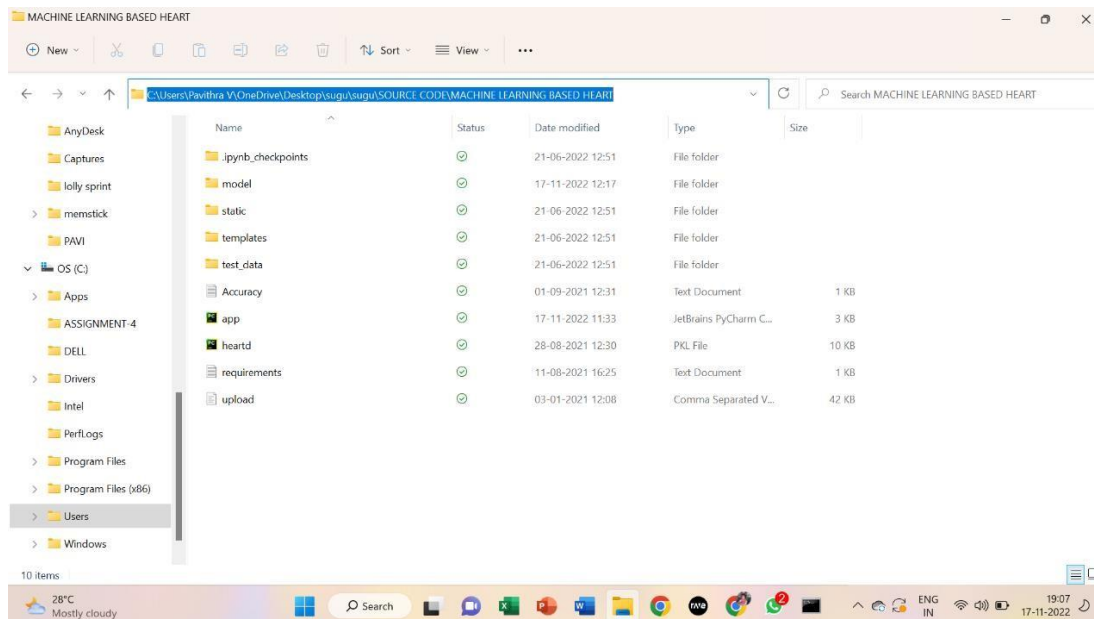
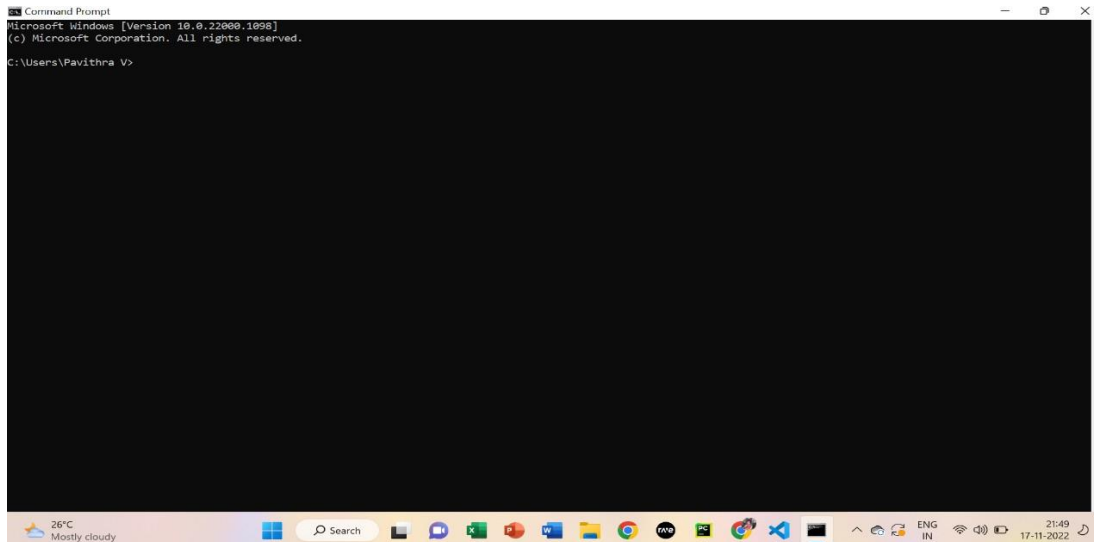


FINAL PROJECT

Command Prompt:



```
C:\WINDOWS\system32\cmd.exe - python app.py
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Pavithra V>c:

C:\Users\Pavithra V>cd C:\Users\Pavithra V\OneDrive\Desktop\sugu\sugu\SOURCE CODE\MACHINE LEARNING BASED HEART

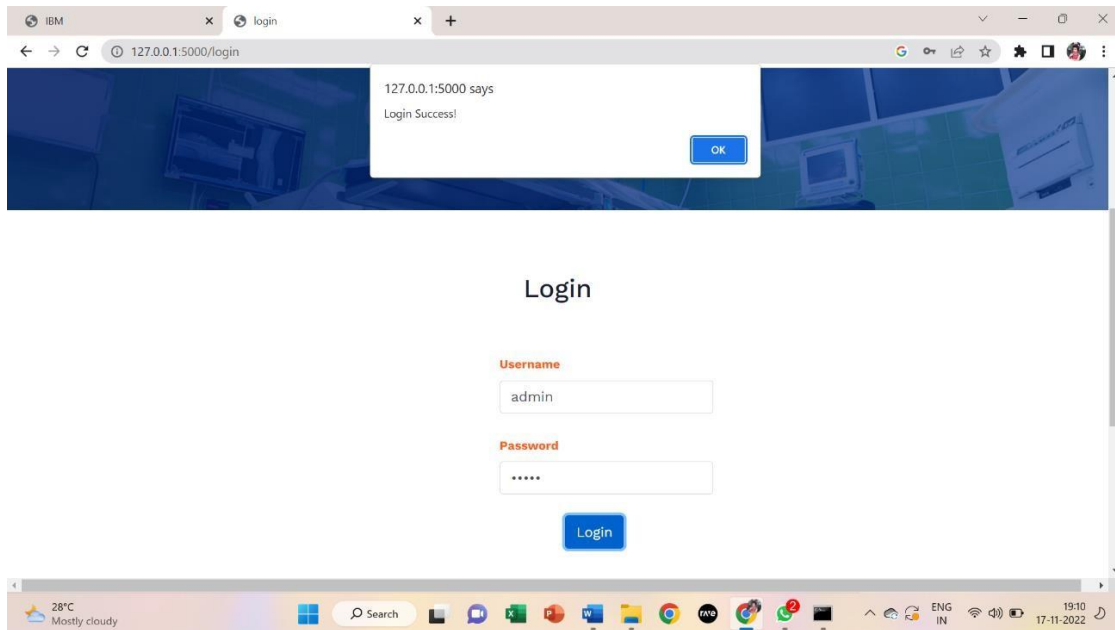
C:\Users\Pavithra V\OneDrive\Desktop\sugu\sugu\SOURCE CODE\MACHINE LEARNING BASED HEART>python app.py
C:\Users\Pavithra V\AppData\Local\Programs\Python\Python38\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator DecisionTreeClassifier from vers
ion 0.24.2 when using version 0.23.1. This might lead to breaking code or invalid results. Use at your own risk.
  warnings.warn(
* Serving Flask app 'app'
* Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
* Restarting with stat
C:\Users\Pavithra V\AppData\Local\Programs\Python\Python38\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator DecisionTreeClassifier from vers
ion 0.24.2 when using version 0.23.1. This might lead to breaking code or invalid results. Use at your own risk.
  warnings.warn(
* Debugger is active!
* Debugger PIN: 138-704-791
```

```
Select C:\WINDOWS\system32\cmd.exe - python app.py
Microsoft Windows [Version 10.0.22000.1098]
(c) Microsoft Corporation. All rights reserved.

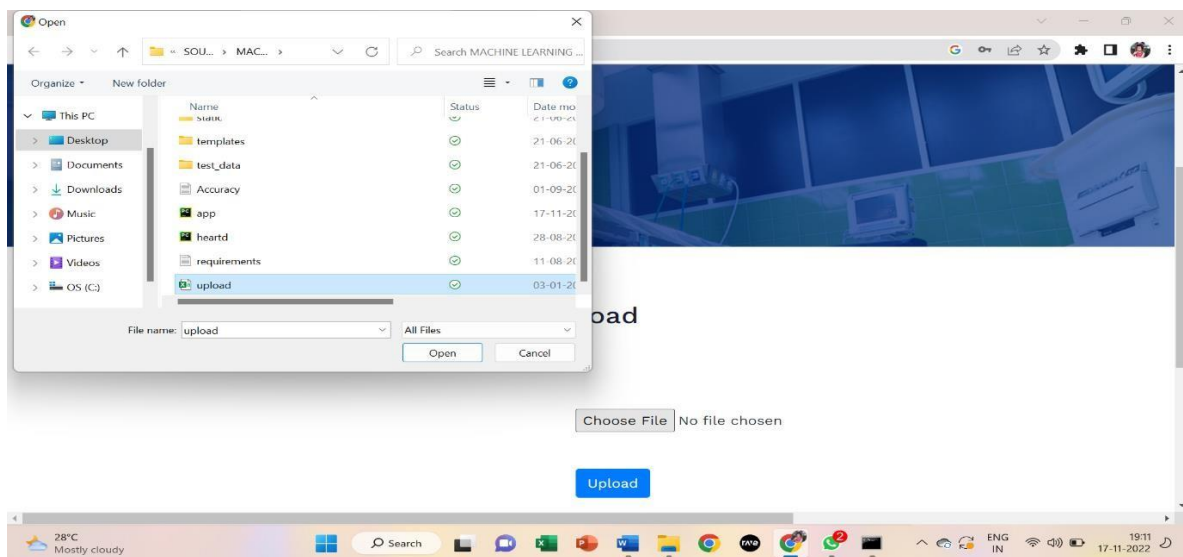
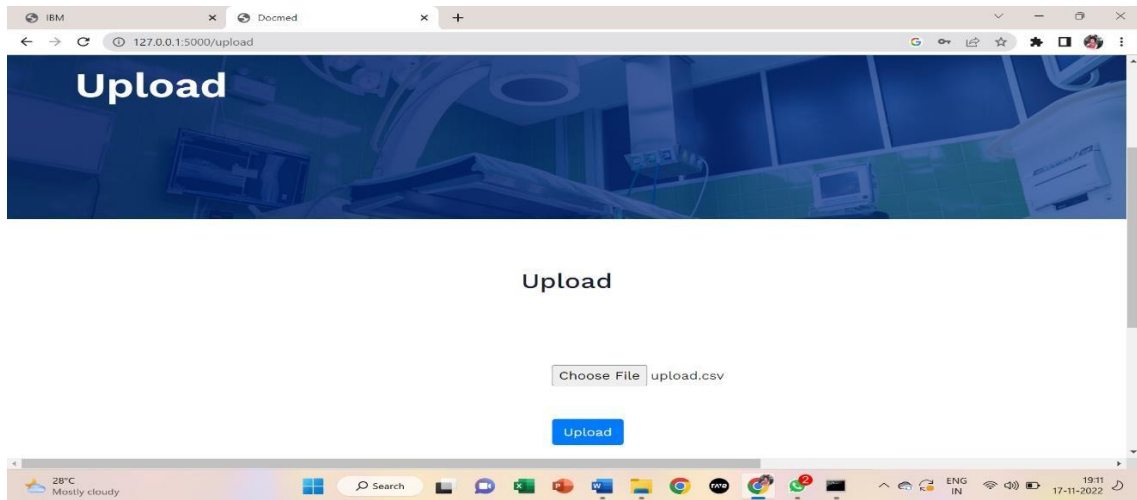
C:\Users\Pavithra V>cd C:\Users\Pavithra V\OneDrive\Desktop\sugu\sugu\SOURCE CODE\MACHINE LEARNING BASED HEART

C:\Users\Pavithra V\OneDrive\Desktop\sugu\sugu\SOURCE CODE\MACHINE LEARNING BASED HEART>python app.py
C:\Users\Pavithra V\AppData\Local\Programs\Python\Python38\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator DecisionTreeClassifier from vers
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C:\Users\Pavithra V\AppData\Local\Programs\Python\Python38\lib\site-packages\sklearn\base.py:329: UserWarning: Trying to unpickle estimator DecisionTreeClassifier from vers
ion 0.24.2 when using version 0.23.1. This might lead to breaking code or invalid results. Use at your own risk.
  warnings.warn(
* Debugger is active!
* Debugger PIN: 138-704-791
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/bootstrap.min.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/owl.carousel.min.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/magnific-popup.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/font-awesome.min.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/themify-icons.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/nice-select.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/flaticon.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/gijgo.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/animate.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/slicknav.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /img/logo.png HTTP/1.1" 404 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/css/style.css HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/js/vendor/modernizr-3.5.0.min.js HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/js/vendor/jquery-1.12.4.min.js HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/js/popper.min.js HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/js/bootstrap.min.js HTTP/1.1" 304 -
127.0.0.1 - - [17/Nov/2022 19:08:04] "GET /static/js/owl.carousel.min.js HTTP/1.1" 304 -
```

Login:



Upload:



Preview:

IBM

preview

localhost:5000/preview

Preview

preview

	age	sex	cp	trestbps	chol	fbs	restecg	thalach	exang	oldpeak	slope	ca	thal	target
Id														
1	52	1	0	125	212	0	1	168	0	1.0	2	2	3	0

IBM

preview

localhost:5000/preview

localhost:5000 says
Training finished!

OK

Home

Login

Upload

1021	59	1	1	140	221	0	1	164	1	0.0	2	0	2	1
1022	60	1	0	125	258	0	0	141	1	2.8	1	1	3	0
1023	47	1	0	110	275	0	0	118	1	1.0	1	1	2	0
1024	50	0	0	110	254	0	0	159	0	0.0	2	0	2	1
1025	54	1	0	120	188	0	1	113	0	1.4	1	1	3	0

Click to Train | Test

28°C
Mostly cloudy

Search

ENG IN

19:12
17-11-2022

IBM Prediction

localhost:5000/prediction

Home Login Upload Prediction Performance_analysis

Heart Disease prediction

Age: 22

sex: Female

chest pain type: Typical angina

Resting blood pressure: 104

Serum cholestoral in mg/dL: 150

Fasting blood sugar: False

Resting electrocardiographic: ST-T Wave abnormality

IBM Prediction

localhost:5000/predict

Home Login Upload Prediction Performance_analysis

Mximum heart rate: Maximum heart rate

Exercise induced angina: No

oldpeak: oldpeak

slope: Upsloping

Predict

Prediction is : Positive

IBM Prediction

localhost:5000/predict

Home Login Upload Prediction Performance_analysis

Mximum heart rate: Maximum heart rate

Exercise induced angina: No

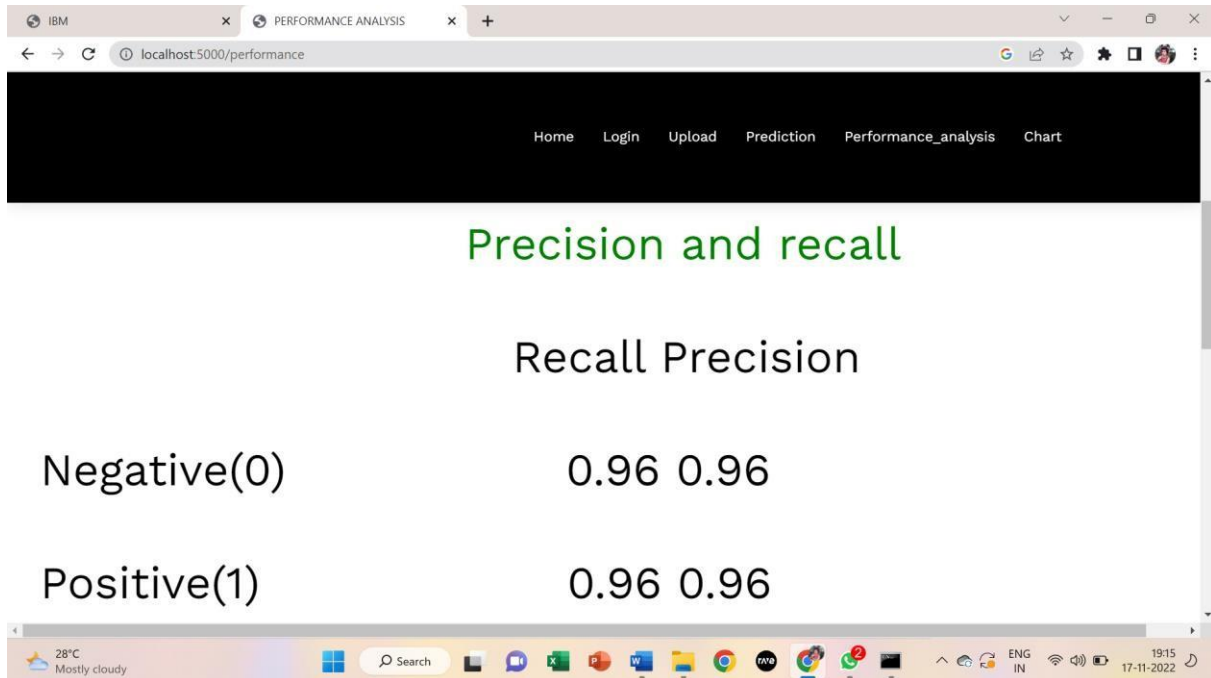
oldpeak: oldpeak

slope: Upsloping

Predict

Prediction is : Negative

Precision:



Level:

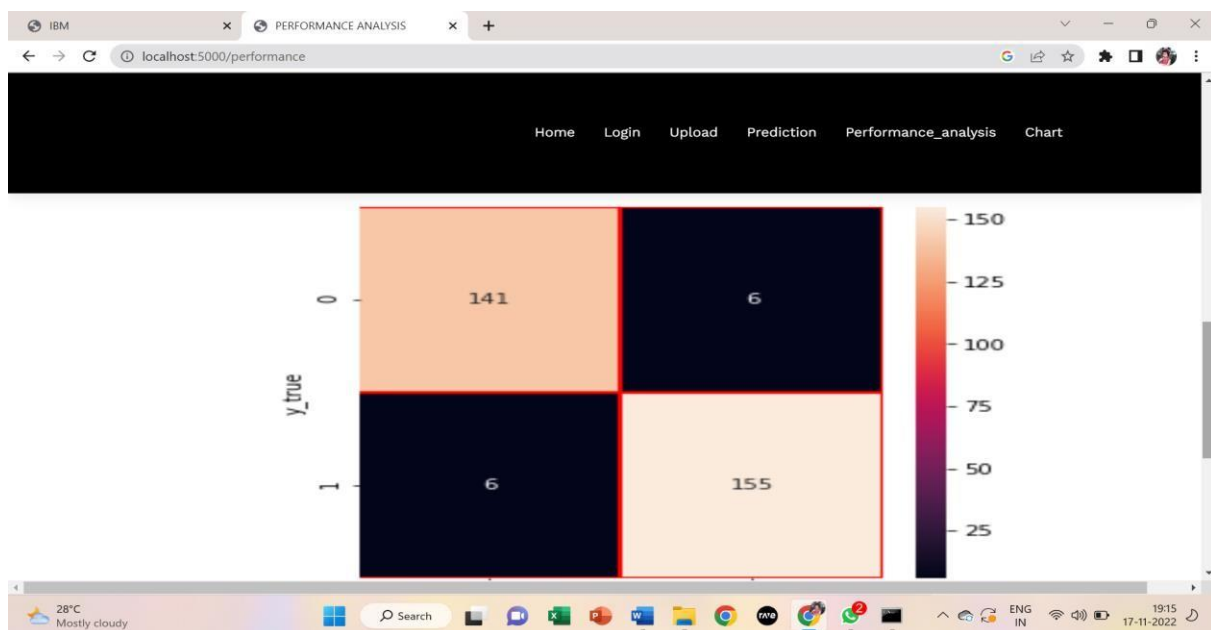


Chart:

