

**Week 5:** Cloud and API deployment

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**Batch code:** LISUM32

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**Submitted to:** Data Glacier

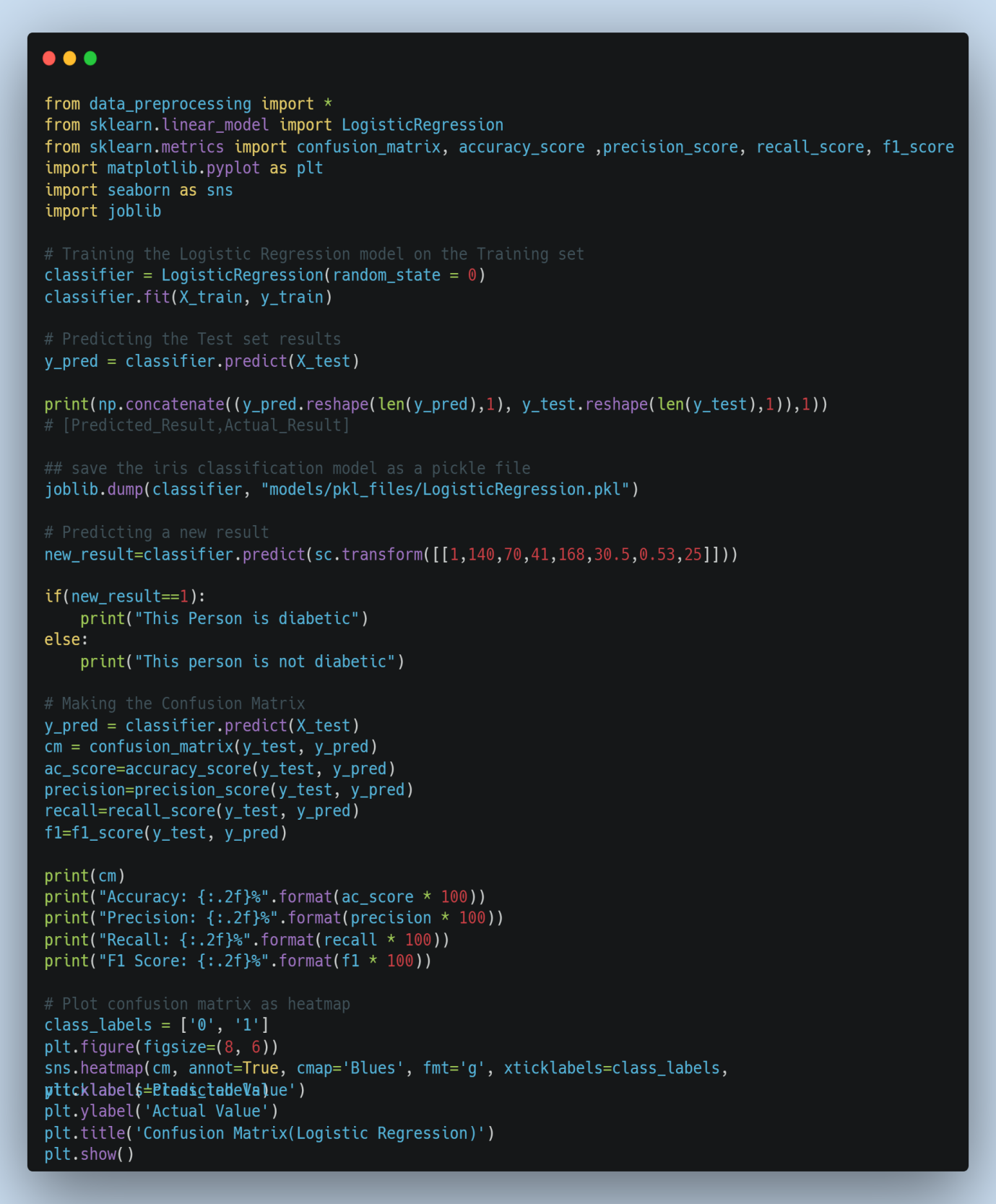
**1. Implementing Classification Model**

**Step 1:** Data Preprocessing



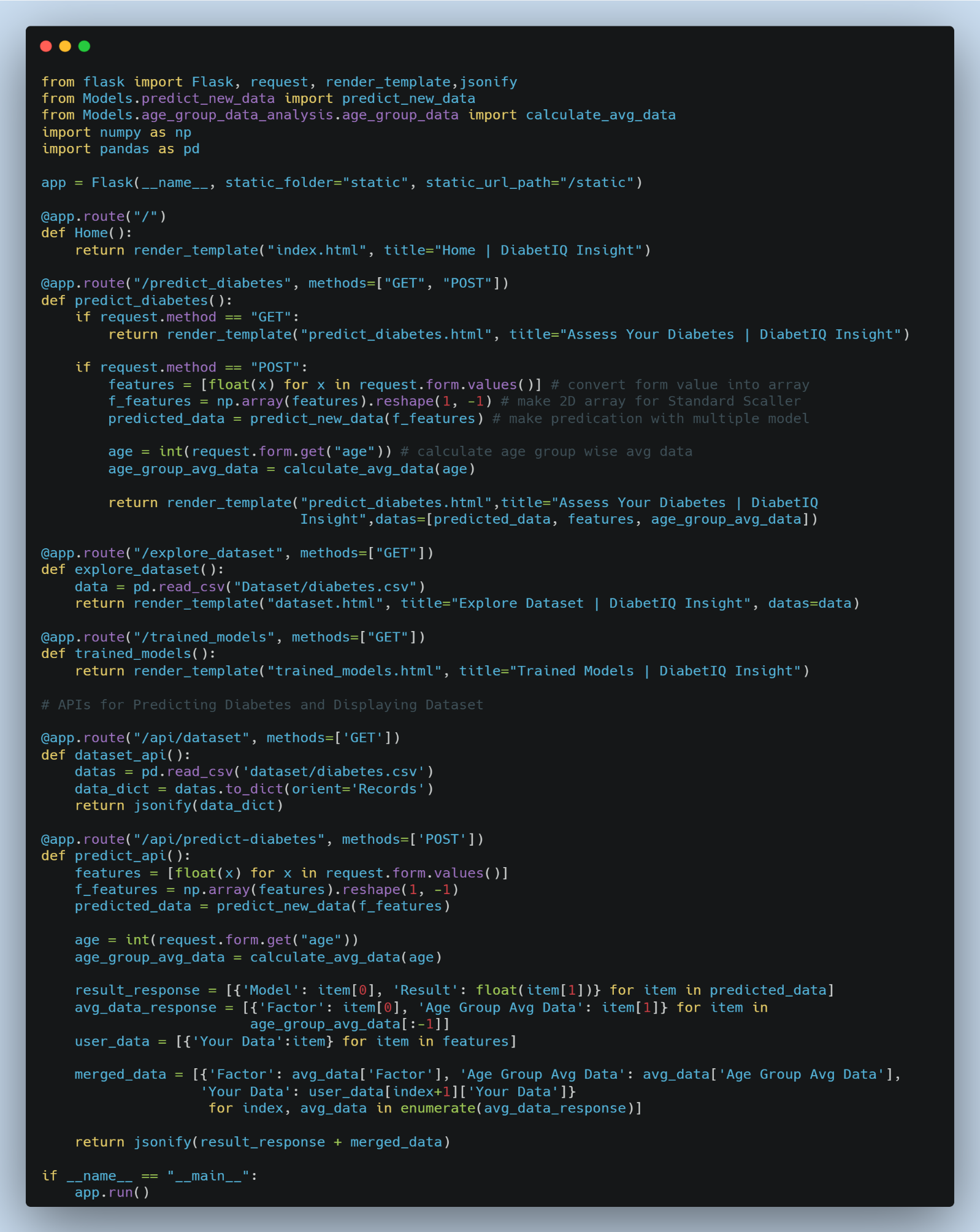
**Step 2:** Implementing Logistic Regression

After thorough experimentation with various models, I've chosen to present the Logistic Regression Classifier here because of its highest accuracy.



**2. Flask App Development**

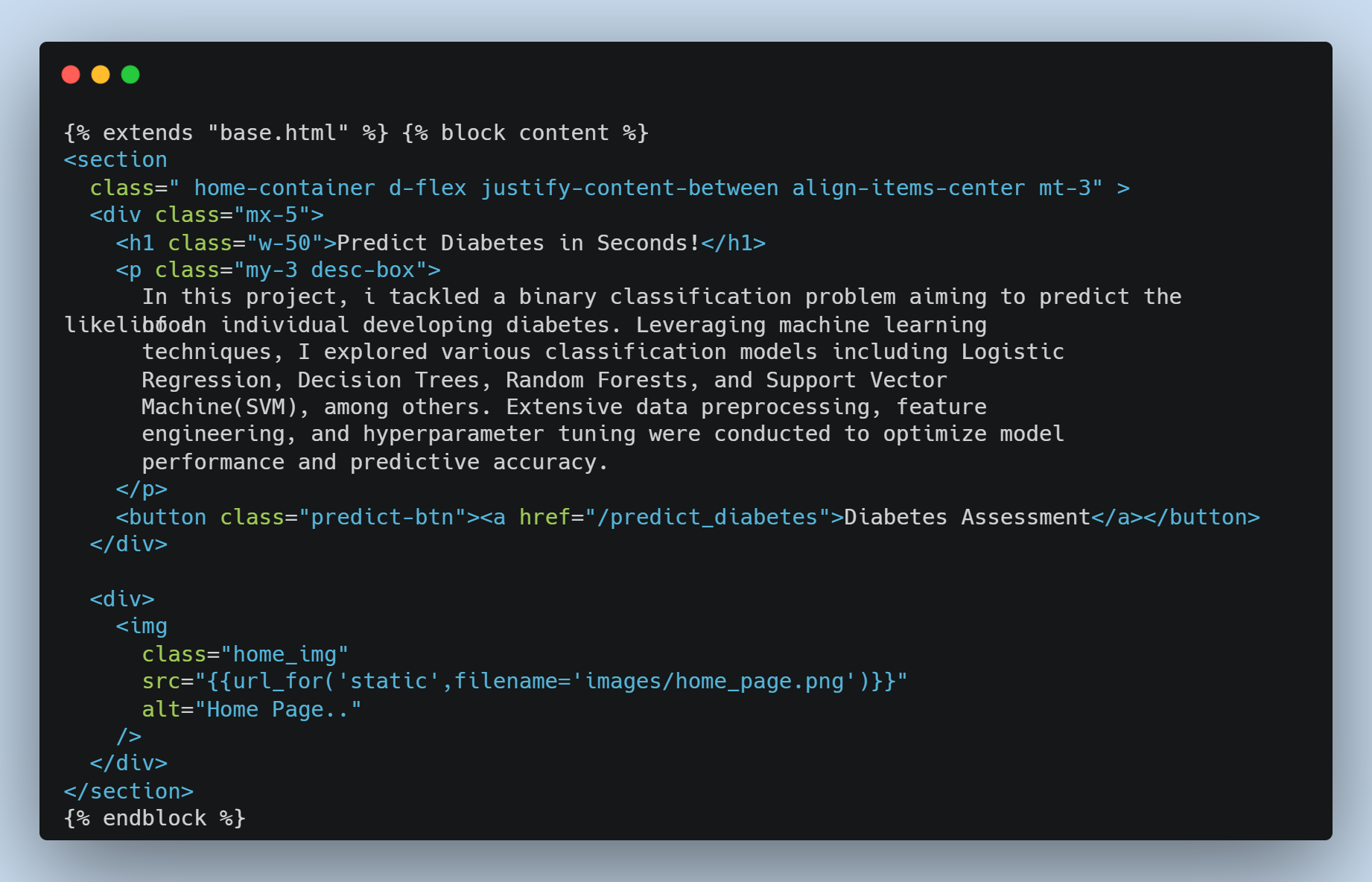
**Step 1:** Create Flask App and APIs

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**Step 2:** Create Base Template for Web App



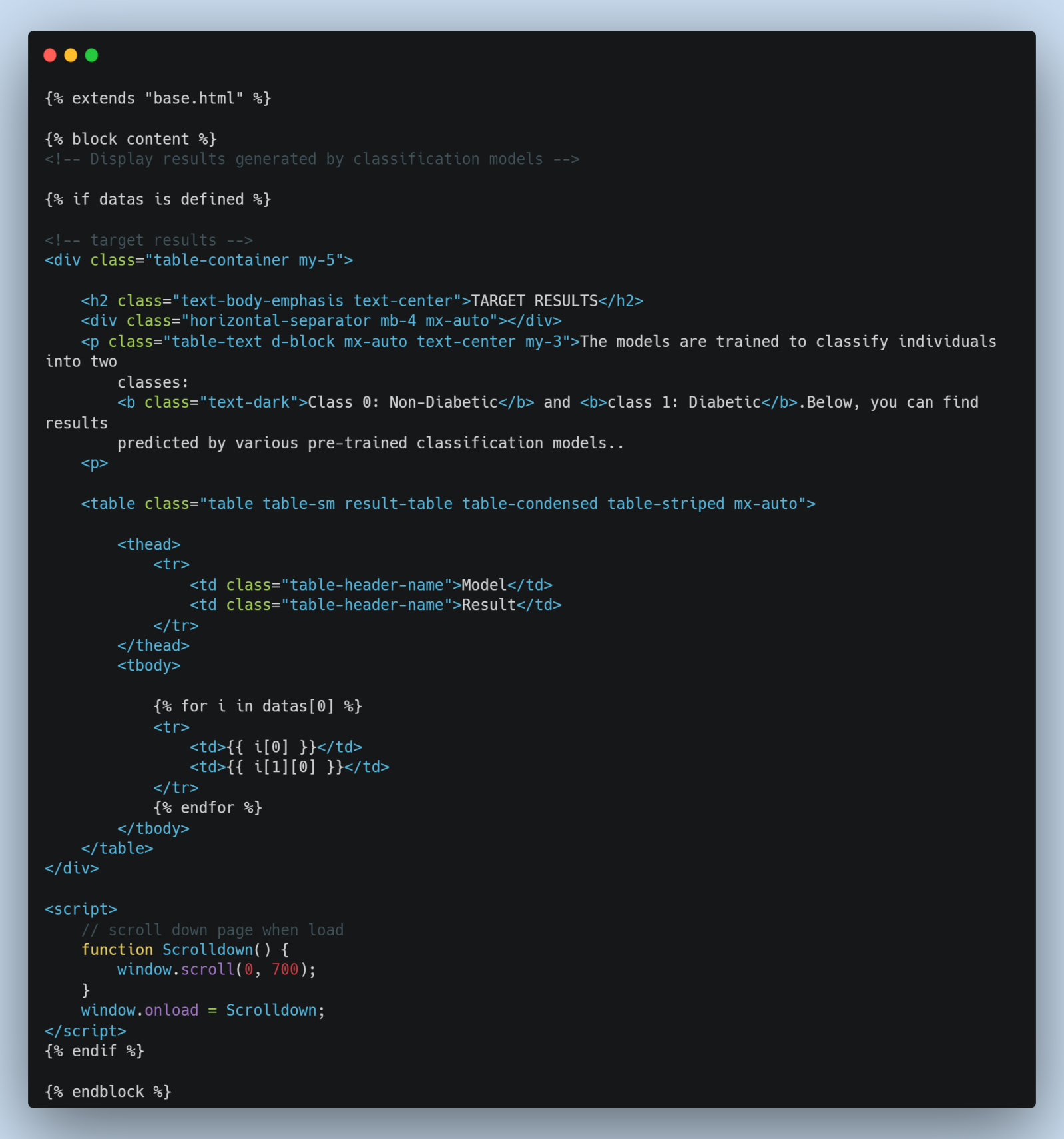
**Step 3:** Create Home Page



**Step 4:** Create Web Form for Input Data



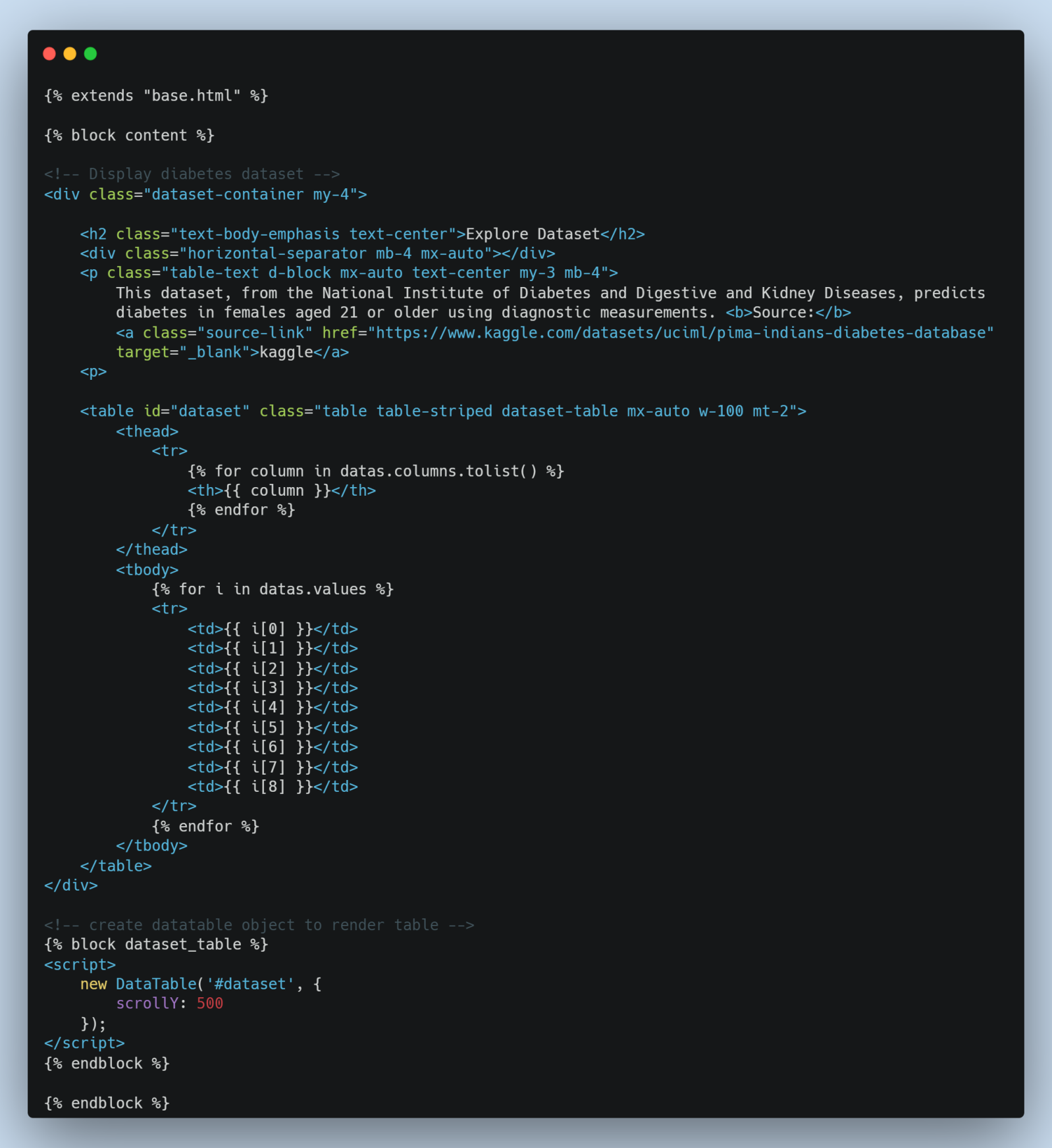
**Step 5:** Visualize Prediction



**Step 6:** Visualize Age Segmented Health Metrics

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**Step 7:** Visualize Dataset

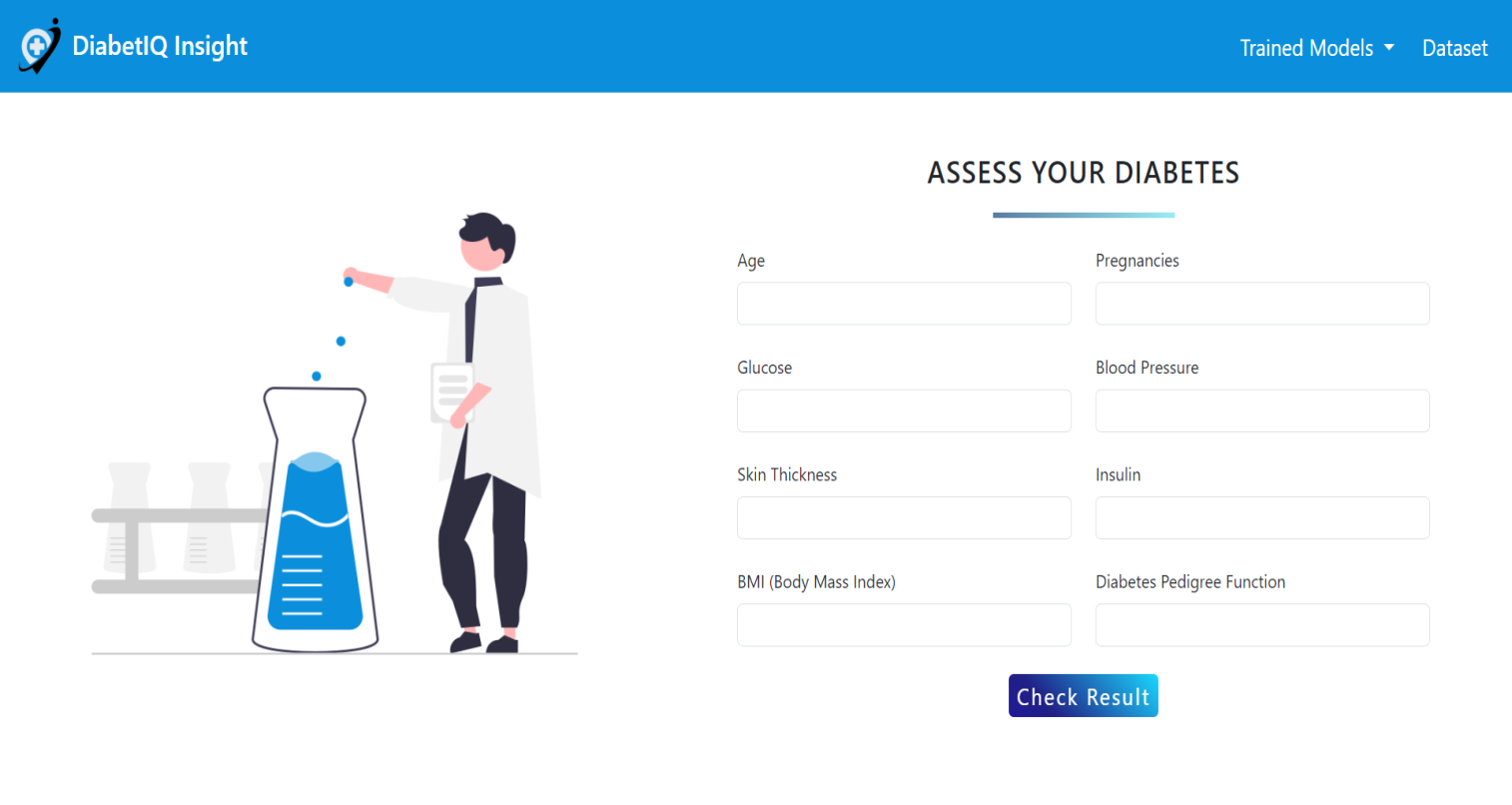


**3. Snapshot of web page**

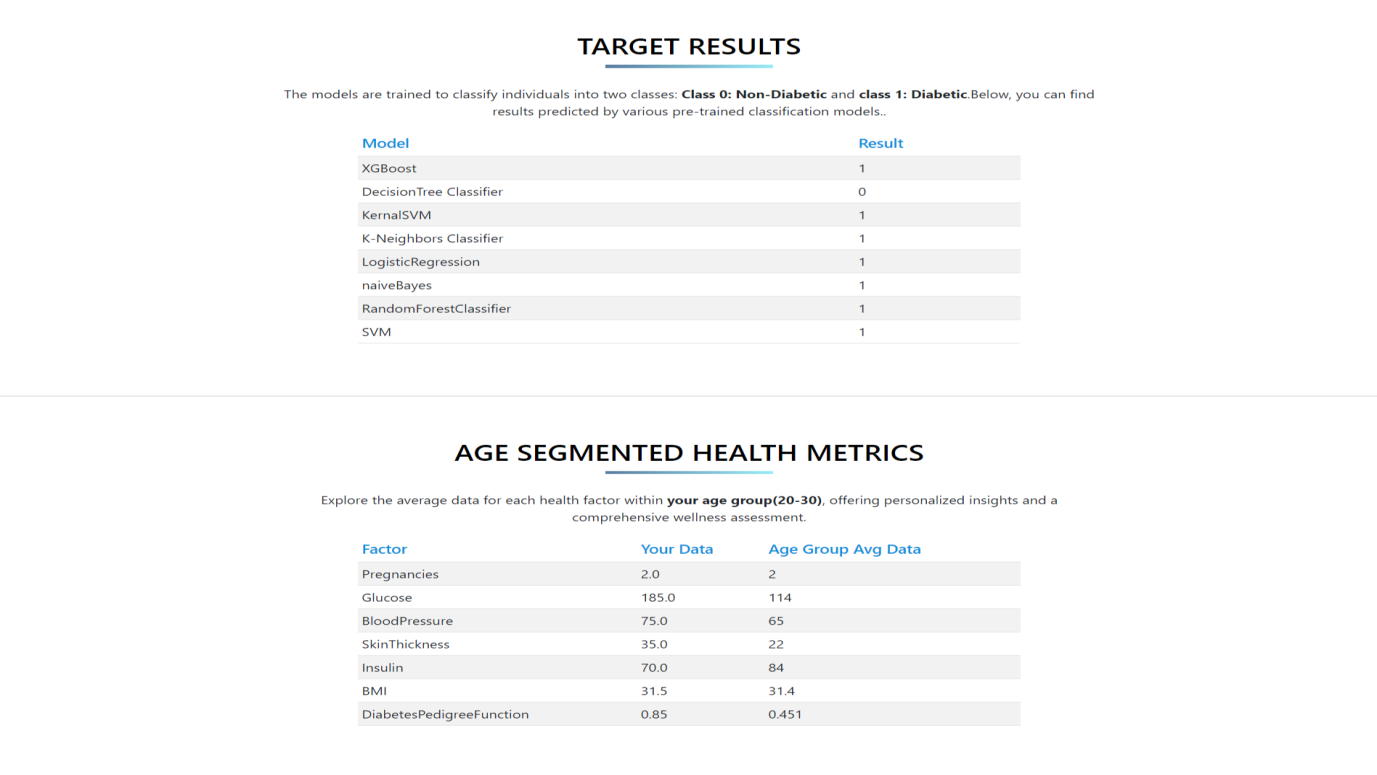
**i. Home page**



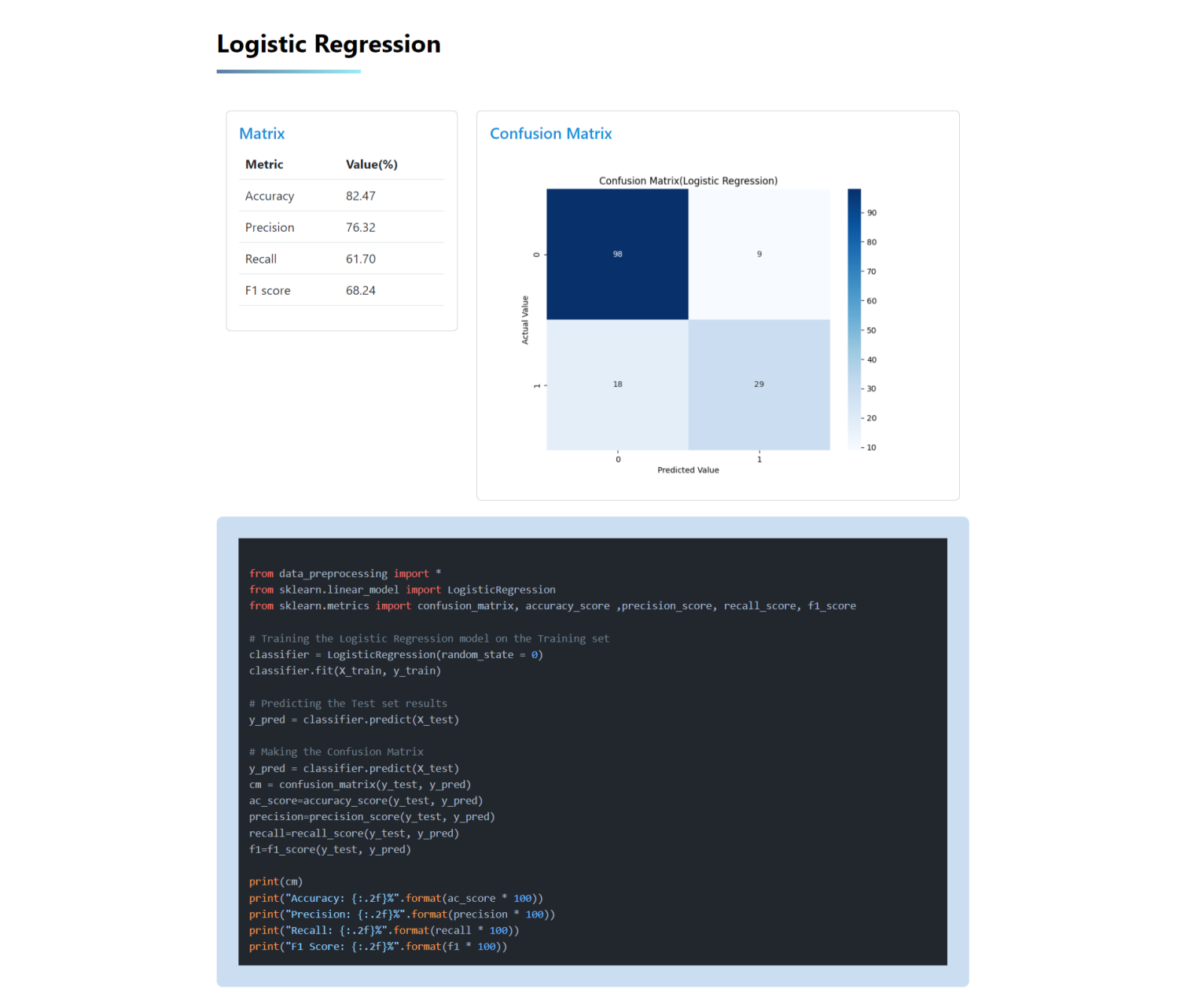
**ii. Diabetes Prediction form**



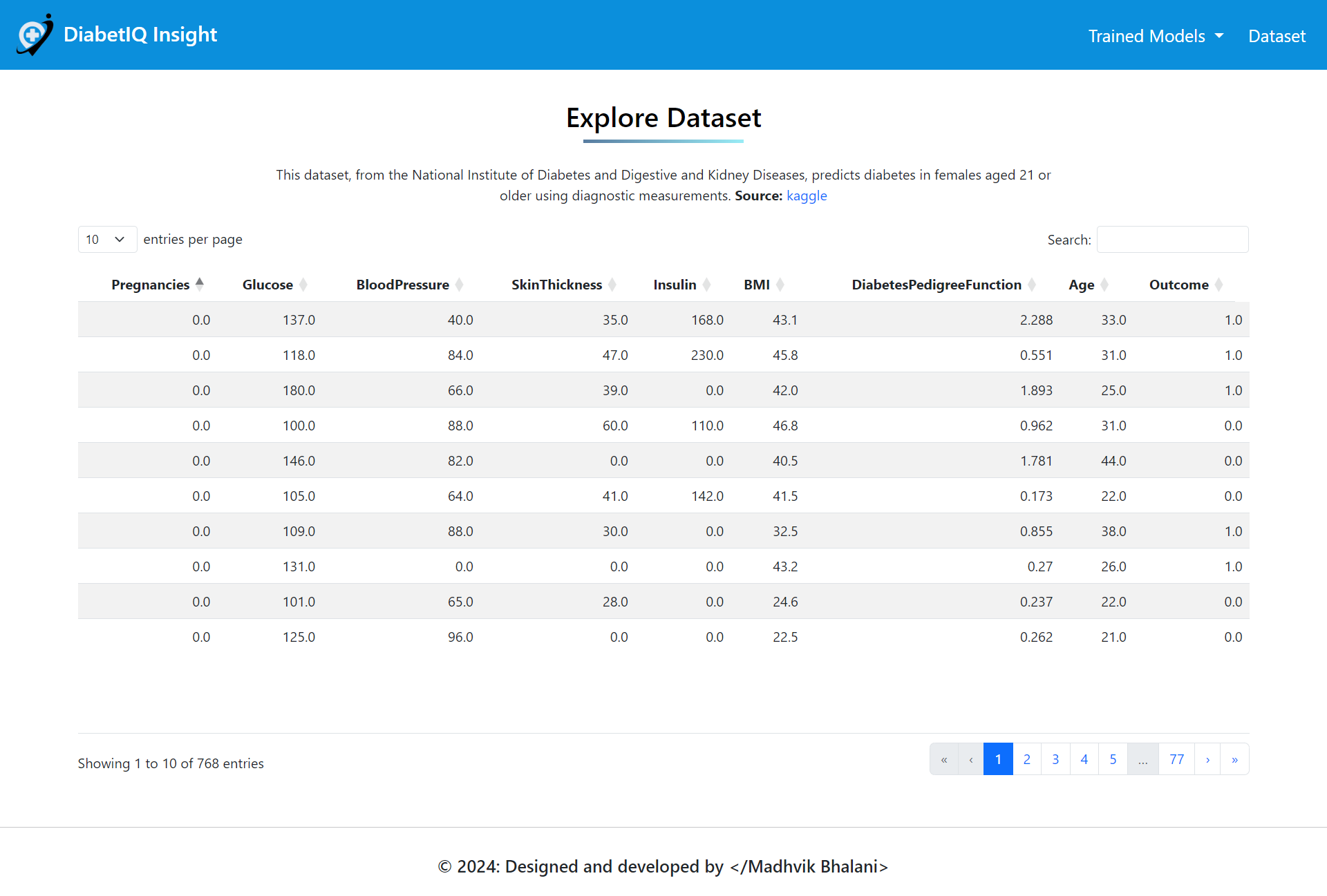
**iii.** **Predicted Result and Age Segmented Health Metrics**



**iv.** **Model data**



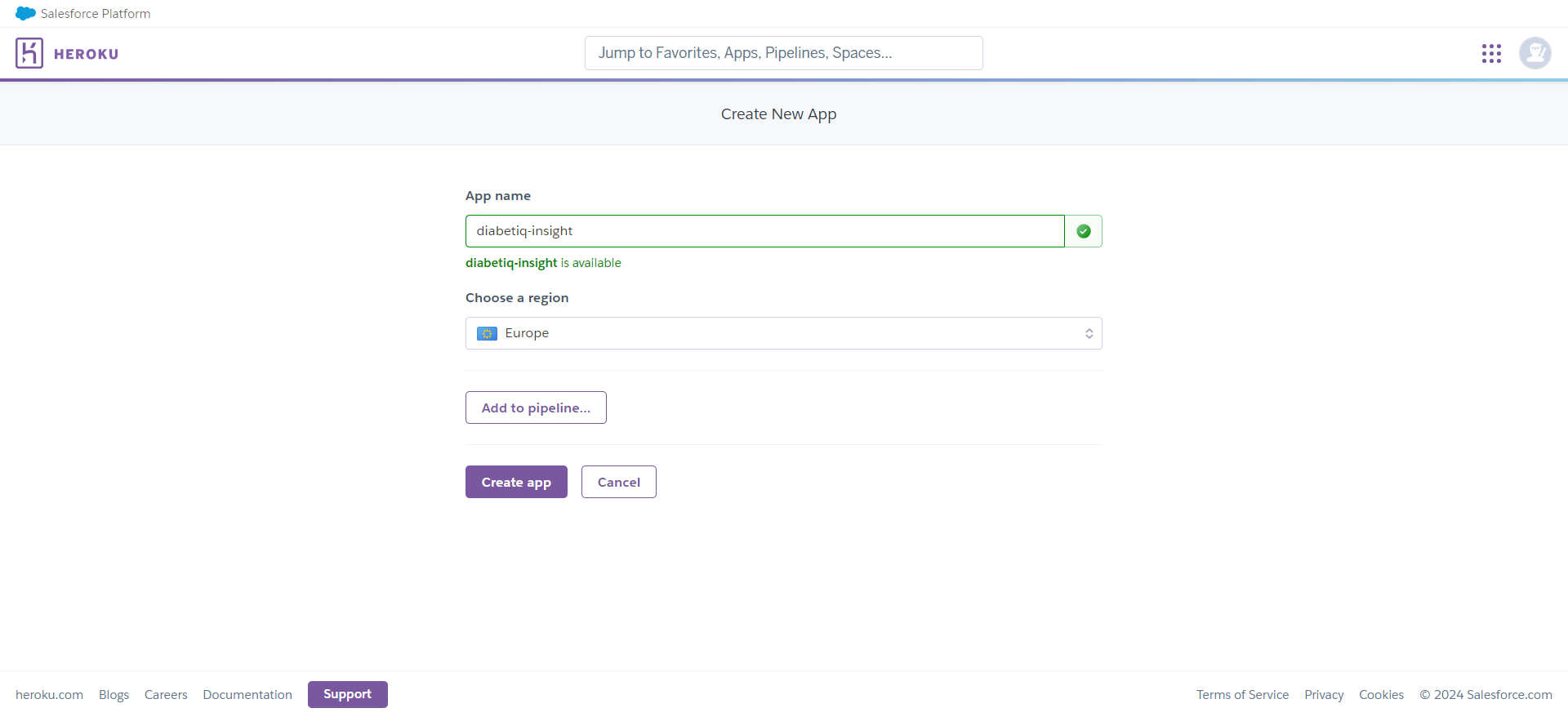
**v.** **Dataset**

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**4. Heroku App Deployment**

App Link:[**DiabetIQ-Insight**](https://diabetiq-insight-53100b753a0a.herokuapp.com/)

**i. Create Heroku App**



**ii. Connect GitHub and Deploy the App**

