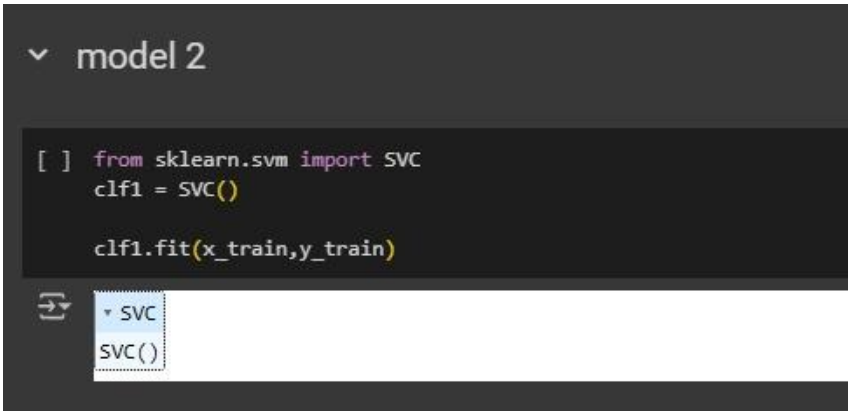
Model Development Phase Template

Date	10 July 2024
Team ID	SWTID1720174640
Project Title	Early Prediction of Chronic Kidney Disease
Maximum Marks	4 Marks

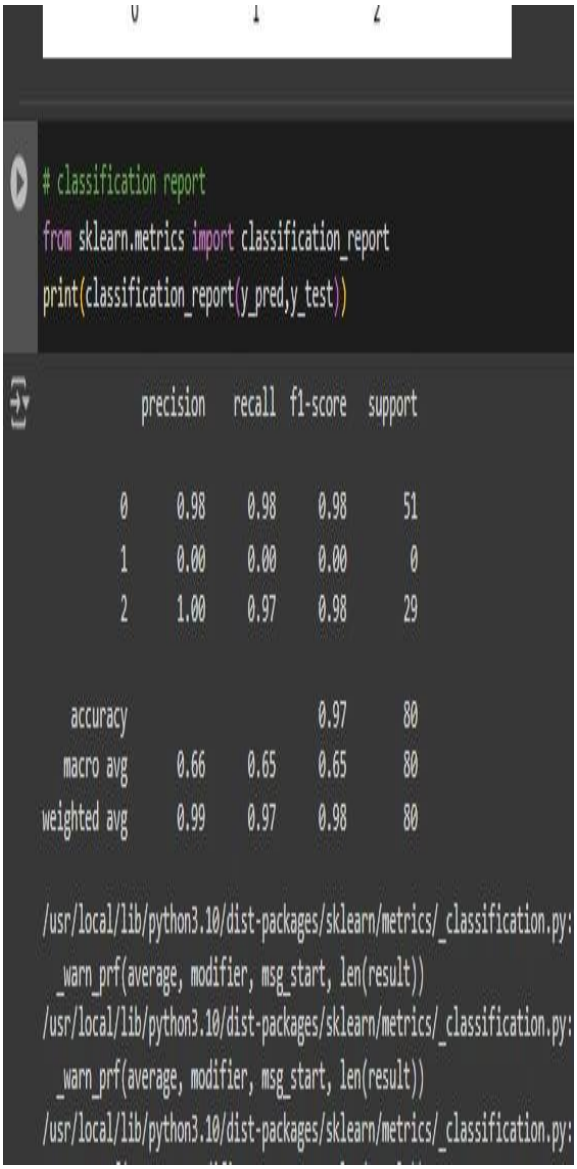
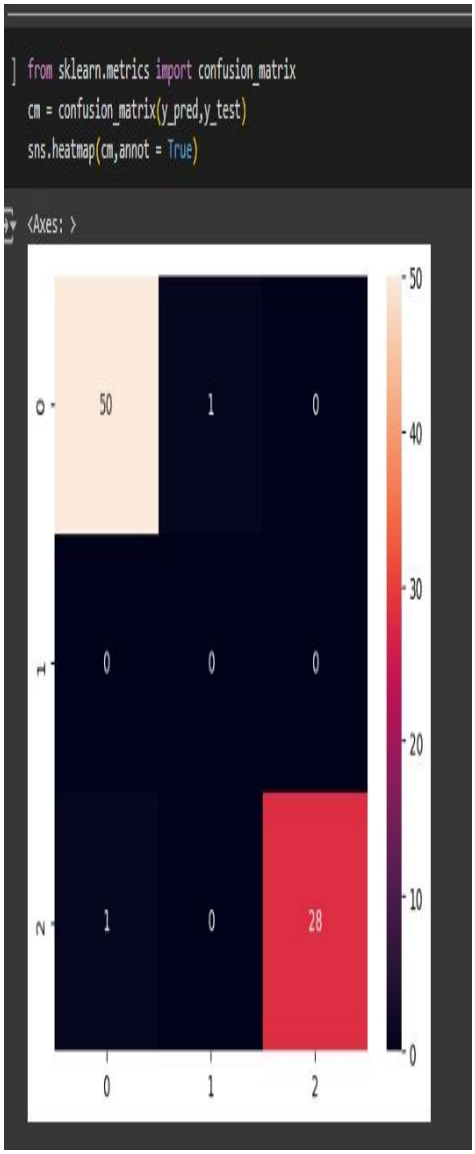
Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

Initial Model Training Code:



Model Validation and Evaluation Report:

Model	Classification Report	Accuracy	Confusion Matrix
Logistic Regression		0.975	

Support Vector Classifier (SVC)	[84] from sklearn.metrics import classification_report print(classification_report(y_pred1,y_test)) precision recall f1-score support 0 0.98 0.98 0.98 51 1 0.00 0.00 0.00 0 2 1.00 0.97 0.98 29 accuracy 0.97 80 macro avg 0.66 0.65 0.65 80 weighted avg 0.99 0.97 0.98 80 /usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classifica _warn_prf(average, modifier, msg_start, len(result)) /usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classifica _warn_prf(average, modifier, msg_start, len(result)) /usr/local/lib/python3.10/dist-packages/sklearn/metrics/_classifica _warn_prf(average, modifier, msg_start, len(result))	0.975	[82] from sklearn.metrics import confusion_matrix cm = confusion_matrix(y_pred1,y_test) sns.heatmap(cm,annot = True) <Axes: >