Model Development Phase Template

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| --- | --- |
| Date | 05 July 2024 |
| Team ID | 739938 |
| Project Title | Anticipating Business Bankruptcy |
| Maximum Marks | 4 Marks |

# Initial Model Training Code, Model Validation and Evaluation Report

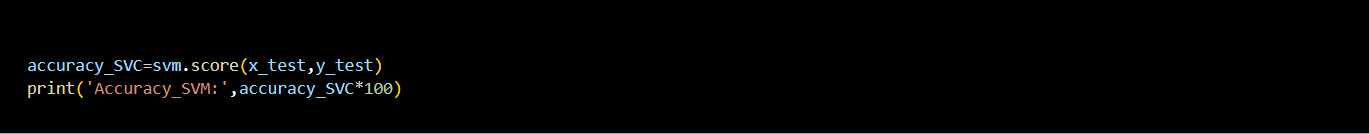
The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include classification reports, accuracy, and confusion matrices for multiple models, presented through respective screenshots.

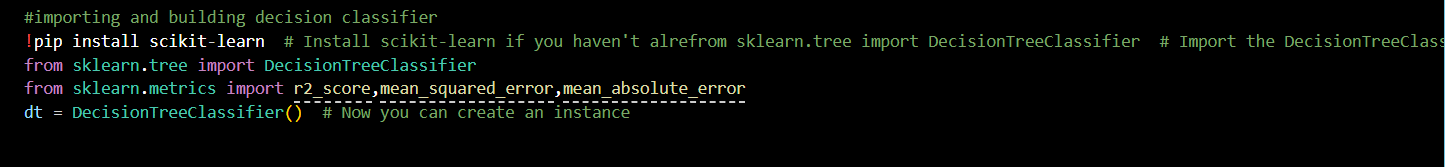
# Initial Model Training Code:

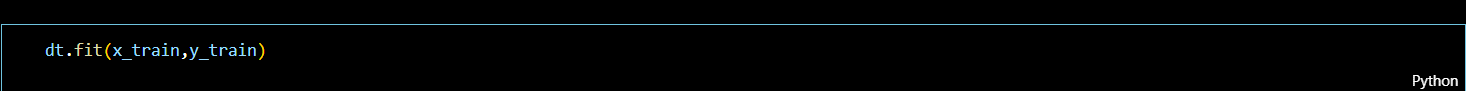
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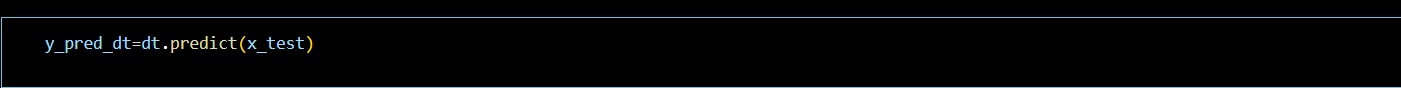
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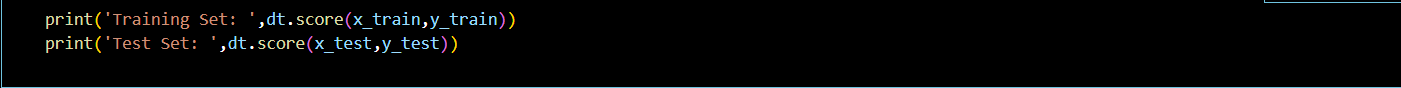
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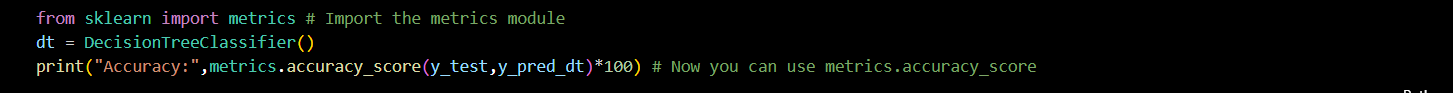


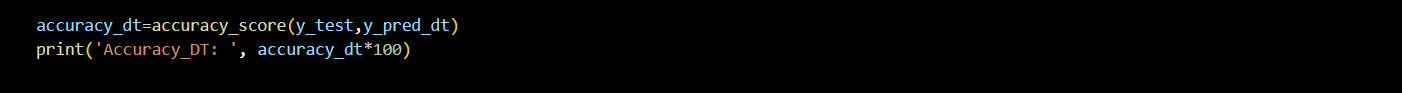


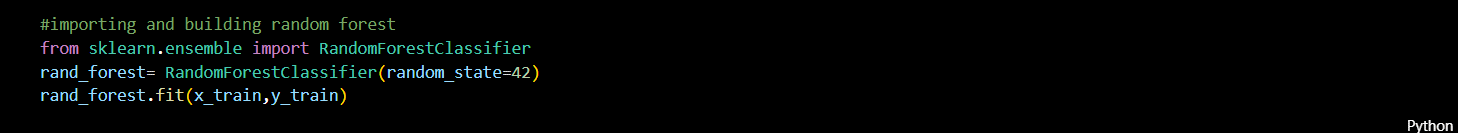


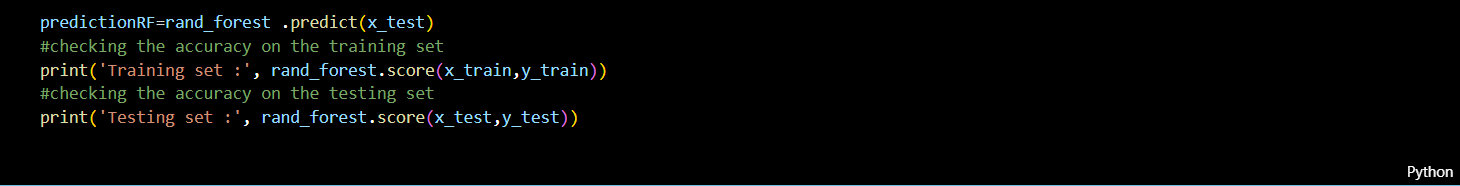


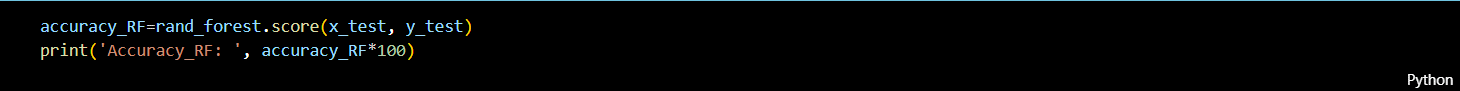












**Model Validation and Evaluation Report:**

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| **Model** | **Classification Report** | **F1**  **Scor e** | **Confusion Matrix** |
| **Support vector**  **classifier** |  | **64%** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| Random  Forest |  | 94% |  |
| Decision Tree |  | 88% |  |