# Model Development Phase Template

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| Date | July 2024 |
| Team ID | 739929 |
| Project Title | Ceralal analysis based on ratings by using meachine learning techniques |
| Maximum Marks | 4 Marks |

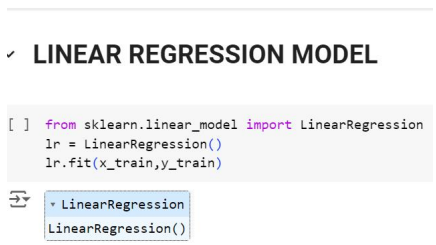
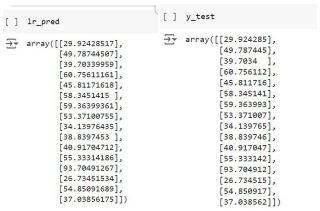
**Initial Model Training Code, Model Validation and Evaluation Report**

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:**

Paste the screenshot of the model training code

**Model Validation and Evaluation Report:**

| Model | Classification Report | Accuracy | Confusion Matrix |
|---|---|---|---|
| Linear Regression model |  | 60.7561 |  |

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| R2_score Model | **R2_SCORE MODEL**<br>`from sklearn.metrics import r2_score`<br>`r2_score(y_test,lr_pred)`<br>`0.9999999999999992` | 68.4029 | `y_p = lr.predict([[0,0,0,0,1,0,0,0,70,4,1,130,10,5,6,280,15,3,1,0.33]])`<br>`y_p`<br>`array([[68.40297324]])` |