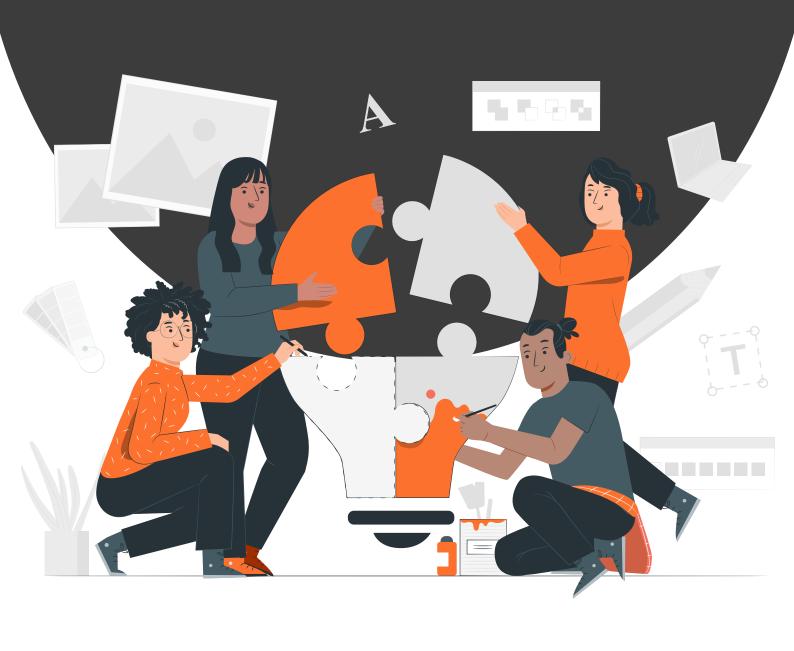
Feature Engineering





Assignment Questions

- 1. What is a parameter?
- 2. What is correlation?
 - What does negative correlation mean?
- 3. Define Machine Learning. What are the main components in Machine Learning?
- 4. How does loss value help in determining whether the model is good or not?
- 5. What are continuous and categorical variables?
- 6. How do we handle categorical variables in Machine Learning? What are the common t echniques?
- 7. What do you mean by training and testing a dataset?
- 8. What is sklearn.preprocessing?
- 9. What is a Test set?
- 10. How do we split data for model fitting (training and testing) in Python?

 How do you approach a Machine Learning problem?
- 11. Why do we have to perform EDA before fitting a model to the data?
- 12. What is correlation?
- 13. What does negative correlation mean?
- 14. How can you find correlation between variables in Python?
- 15. What is causation? Explain difference between correlation and causation with an example.
- 16. What is an Optimizer? What are different types of optimizers? Explain each with an example.
- 17. What is sklearn.linear_model?
- 18. What does model.fit() do? What arguments must be given?
- 19. What does model.predict() do? What arguments must be given?
- 20. What are continuous and categorical variables?
- 21. What is feature scaling? How does it help in Machine Learning?
- 22. How do we perform scaling in Python?
- 23. What is sklearn.preprocessing?
- 24. How do we split data for model fitting (training and testing) in Python?
- 25. Explain data encoding?