

# DATA SCIENCE ASSIGNMENT

## Day - 28:

- 1. What is the key difference between simple linear regression and multiple linear regression?**
  
- 2. In multiple linear regression with three independent variables, how many coefficients (including the intercept) are estimated in the regression equation?**
  
- 3. What is the purpose of the coefficient of each independent variable in multiple linear regression?**
  
- 4. Write a Python function to perform multiple linear regression given a set of input features (X) and corresponding target values (y).**

