

# Assignment 1

## Instructions:

1. Complete all the questions provided below.
2. Submit the completed assignment by the specified deadline.
3. Plagiarism will result in penalties.

## Questions:

1. Explain the concept of Object-Oriented Programming (OOP) with examples.
2. Write a Python program to implement a class representing a 'Student' with attributes for name, age, and grades.
3. Discuss the importance of software testing in software development.
4. Solve the following:
  - a) What is 25% of 360?
  - b) If a train travels 240 miles in 3 hours, what is its average speed?
5. Research and write about the benefits of using Django for web development.