



NITTE
EDUCATION TRUST

**NMAM INSTITUTE
OF TECHNOLOGY**

**DEPARTMENT OF
MCA**

Enterprise Java Lab

(22MCA207)

Assignment - 1

20-01-2025

1. Write a java program that accepts marks for three subjects and calculates the average grade.
2. Create a java program to calculate Body Mass Index (BMI) based on height and weight provided by the user.
3. Write a java program to calculate the electricity bill for a user based on the number of units consumed. Assume the rate per unit is ₹5.
4. Develop a java program to convert an amount from USD to INR based on a given exchange rate.
5. Write a java program that checks if a person is eligible to vote. A person is eligible if they are 18 years or older.
6. Create a java program to calculate the discounted price of a product based on its original price and discount percentage.
7. Write a java program to calculate simple interest given the principal amount, rate of interest, and time in years.
8. Create a java program where the user guesses a number between 1 and 10. If they guess correctly, print "You guessed it!" Otherwise, print the correct number.
9. Write a java program that checks whether a given string (e.g., "madam") is a palindrome or not.
10. Develop a java program that calculates the fine for returning a book late. Assume the fine is ₹10 per day.