Java Programming Assignment: Conditional Logic Practice

# Part 1: Test Score Average and Letter Grade

Objective: Write a Java program that calculates the average of three test scores and displays the corresponding letter grade.

## Requirements:

* Declare three variables to hold test scores as integers.
* Prompt the user to enter three test scores.
* Calculate the average of the three scores.
* Determine the letter grade using this grading scale:

|  |  |
| --- | --- |
| Test Score Average | Letter Grade |
| 90–100 | A |
| 80–89 | B |
| 70–79 | C |
| 60–69 | D |
| Below 60 | F |

Display:  
- The three test scores  
- The calculated average  
- The letter grade

## Sample Output:

Enter score 1: 85  
Enter score 2: 90  
Enter score 3: 80  
Average: 85.0  
Grade: B

# Part 2: Bank Charges Calculator

Objective: Write a Java program that calculates monthly bank fees based on the number of checks written.

## Requirements:

* Base monthly fee is $10.
* Check fees are:  
  - $0.10 per check if fewer than 20 checks  
  - $0.08 per check if 20–39 checks  
  - $0.06 per check if 40–59 checks  
  - $0.04 per check if 60 or more checks
* Prompt the user to enter the number of checks written.
* Calculate the total service fee: base fee + per-check fee.
* Display:  
  - Number of checks written  
  - Fee per check  
  - Total service fee

## Sample Output:

Enter number of checks: 35  
Base fee: $10.00  
Fee per check: $0.08  
Total service charge: $12.80

# Submission Rules:

**1. Submission to Canvas**

* All students must submit their Java assignments via Canvas. Upload either a single `.java` file or a `.zip` file if you have multiple files.

**2. (Optional) GitHub Submission**

* Students may optionally submit their assignments using a GitHub repository. If you choose to use GitHub, make sure to include a README file and share the repository link in Canvas as a comment. (Extra credit +10)

**3. Project Documentation File**

* In addition to your code, submit a short documentation file explaining what your program does.

**Documentation File Format**

* Create a plain text `.txt` or `.docx` file named `README.docx` or `README.txt` including the following:
* Your full name
* The purpose of the assignment
* A brief description of your Java code
* Example input/output
* Any challenges you faced