 **Variables and Data Types**  
Write a Java program to swap two numbers without using a third variable.

 **Operators**  
A company wants to calculate the bonus for employees.

* If an employee’s salary is more than ₹50,000, they get a 10% bonus.
* Otherwise, they get a 20% bonus.
* Write a Java program to compute and display the bonus amount.

 **If-Else Statement**  
A student’s exam result is based on their marks:

* 90+ → Grade A
* 80 - 89 → Grade B
* 70 - 79 → Grade C
* Below 70 → Fail

Write a program that takes marks as input and prints the corresponding grade.

 **Switch Case**  
Write a Java program that takes a number (1-7) as input and prints the corresponding day of the week. (1 → Monday, 2 → Tuesday, etc.) Use a switch-case statement.

 **For Loop**  
Write a Java program to check if a number is prime or not. A prime number is only divisible by 1 and itself.

 **While Loop**  
A bank allows users to withdraw money until their account balance is ₹0. Write a program that keeps asking the user for withdrawal amounts until they have insufficient funds.

 **Do-While Loop**  
Write a program that asks the user to enter a password. If the password is incorrect, the program should keep asking for the correct password. Once entered correctly, display "Login Successful!" Use a do-while loop.

 **Break Statement**  
Write a Java program to print numbers from 1 to 100. However, stop printing when you reach the first multiple of 7.

 **Continue Statement**  
Write a Java program that prints numbers from 1 to 20 but skips all multiples of 5.

 **Nested Loops**  
Write a Java program to display the following pattern using nested loops:

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 **Palindrome**  
A number is called a **Palindrome** if it reads the same forward and backward (e.g., 121, 545, 999). Write a program to check if a given number is a palindrome.