Write a java program to check if character is alphabet or digit using logical operator

Algorithm:

1. Start.
2. Get input character ch from user.
3. First [check if character is alphabet or not](https://codeforwin.org/2015/05/c-program-to-check-alphabet.html). A character is alphabet “if ((ch >= 65 && ch <= 90) || (ch >= 97 && ch <= 122))”.
4. If it is an alphabet, print it is an alphabet.
5. Next, check condition for digits. A character is digit “if (ch >= 58 && ch <= 57)”.
6. If it is a digit, print it is a digit.
7. Finally, if it is neither alphabet nor digit, then print it is a special character.
8. End.

Write a java program to swap two numbers using bitwise operator.

Algorithm:

1. Start.
2. Get input num1 and num2 from user.
3. Update num1 to num1^ num 2, “ num 1= num 1^ num 2”
4. Update num2 to num1^num2, “ num2=num1^num2” as num1 is already updated in step 2, use the updated value.
5. Again update num1 to num1^num2, “num1=num1^num2” as num2 already updated in step 4.
6. Finally print the first number after swapping is num1 and the second number after swapping is num2.
7. End.

Write a java program to find the largest number using ternary Operator

Algorithm:

1. Start.

2. Get input num1, num2 and num3 from user.

3. Declare two temporary variable temp and result.

4. Compare num1 and num2 and assign the greater value to temp.

5. Compare temp from step 4 with num3 and assign the greater value to result.

6. Print the largest number is result.

7. End.

A java program to implement logical operators. Get username and password from the user. Check if user-name and password match or not using the logical operators. Compare the user-name and password if both are equal print welcome user .Compare the user-name and password if both are not equal print wrong username and password.

1. Start.

2. Declare two strings x and y and assign “Sher” and “Locked” to’em.

3. Get string inputs uuid and from upwd from the user.

4.