

/*Write a do-while loop that asks the user to enter two numbers. The numbers should be added and the sum displayed. The loop should ask the user whether he or she wishes to perform the operation again. If so, the loop should repeat; otherwise it should terminate.*/

```
import java.util.Scanner;

// creating a class to add two numbers.

public class AddNumbers {

    public static void main(String[] args) {

        Scanner scanner = new Scanner(System.in);

        char choice;

        do {

            System.out.print("Enter the first number: ");

            int num1 = scanner.nextInt();

            System.out.print("Enter the second number: ");

            int num2 = scanner.nextInt();

            int sum = num1 + num2;

            System.out.println("Sum: " + sum);

            System.out.print("Do you want to perform the operation again? (y/n): ");

            choice = scanner.next().charAt(0);

        } while (choice == 'y' || choice == 'Y');

        System.out.println("Program terminated.");
```

```
        scanner.close();  
    }  
}
```

Output:

Enter the first number:5

Enter the second number: 8

Sum: 13

Do you want to perform the operation again? (y/n): y

Enter the first number: 7

Enter the second number: 6

Sum: 13

Do you want to perform the operation again? (y/n): n

Program terminated.