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import java.util.Scanner; //importing Scanner

public class QuestionTwo {
    // static Scanner object
    static Scanner input = new Scanner(System.in);

    // A prime number is a number that is evenly divisible only
    // by itself and 1
    static void isPrime() {

        System.out.println("Enter an integer number to check if it is prime or not:");

        var numberToTest = input.nextInt();

        boolean flag = false;
        for (int i = 2; i <= numberToTest / 2; ++i) {
            // condition for nonprime number
            if (numberToTest % i == 0) {
                flag = true;
                break;
            }
        }

        if (!flag)
            System.out.println(numberToTest + " is a prime number.");
        else
            System.out.println(numberToTest + " is not a prime number.");

    }

    // [main] method that displays prime numbers between 1 to 500.
    public static void main(String[] args) {

        int i = 0;
        int myNumber = 0;
        // Empty String
        String primeNumbers = "";

        for (i = 1; i <= 500; i++) {
            int counter = 0;
            for (myNumber = i; myNumber >= 1; myNumber--) {
                if (i % myNumber == 0) {
                    counter = counter + 1;
                }
            }
            if (counter == 2) {
```

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        // Appended the Prime number to the String
        primeNumbers = primeNumbers + i + " ";
    }
}
System.out.println("The prime numbers from 1 to 500 are :");
System.out.println(primeNumbers);

// calling the isPrime method in the main method
isPrime();
}
}
```