

Task 2: Store and Print Prime Numbers in an Array

```
import java.util.Scanner;
public class PrimeNumbersArray {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter Starting Number: ");
        int start = sc.nextInt();
        System.out.print("Enter Ending Number: ");
        int end = sc.nextInt();
        int[] primeNumbers = new int[end - start];
        int index = 0;
        for (int i = start; i <= end; i++) {
            if (isPrime(i)) {
                primeNumbers[index] = i;
                index++;
            }
        }
        System.out.println("Prime Numbers in the Given Range:");
        for (int i = 0; i < index; i++) {
            System.out.print(primeNumbers[i] + " ");
        }
        sc.close();
    }
    public static boolean isPrime(int num) {
        if (num < 2) return false;
        for (int i = 2; i <= num / 2; i++) {
            if (num % i == 0) {
                return false;
            }
        }
        return true;
    }
}
```