File   Edit   View

```java
import java.util.Scanner;

public class Prime {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        int number = scanner.nextInt();
        boolean isPrime = true;

        if (number <= 1) {
            isPrime = false;
        } else {
            for (int i = 2; i <= Math.sqrt(number); i++) {
                if (number % i == 0) {
                    isPrime = false;
                    break;
                }
            }
        }

        if (isPrime) {
            System.out.println(number + " is a prime number.");
        } else {
            System.out.println(number + " is not a prime number.");
        }
    }
}
```

C:\Windows\System32\cmd.e   X   + ∨

```
Microsoft Windows [Version 10.0.22631.3810]
(c) Microsoft Corporation. All rights reserved.

C:\Users\chara\OneDrive\Desktop\Java Prog>java Table1.java
0
1
2
3
4
5
6
7
8
9

C:\Users\chara\OneDrive\Desktop\Java Prog>java Prime.java
Enter a number: 6
6 is not a prime number.

C:\Users\chara\OneDrive\Desktop\Java Prog>java ArmstrongNumber.java
Enter a number:
156
156 is not an Armstrong number.

C:\Users\chara\OneDrive\Desktop\Java Prog>
```

File   Edit   View

```java
import java.util.Scanner;

public class ArmstrongNumber {
    public static void main(String[] args) {
        int number, originalNumber, remainder, result = 0;
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter a number: ");
        number = scanner.nextInt();
        originalNumber = number;

        while (originalNumber != 0) {
            remainder = originalNumber % 10;
            result += Math.pow(remainder, 3);
            originalNumber /= 10;
        }

        if (result == number)
            System.out.println(number + " is an Armstrong number.");
        else
            System.out.println(number + " is not an Armstrong number.");
    }
}
```

C:\Windows\System32\cmd.e   X   + ∨

```
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C:\Users\chara\OneDrive\Desktop\Java Prog>java Table1.java
0
1
2
3
4
5
6
7
8
9

C:\Users\chara\OneDrive\Desktop\Java Prog>java Prime.java
Enter a number: 6
6 is not a prime number.

C:\Users\chara\OneDrive\Desktop\Java Prog>java ArmstrongNumber.java
Enter a number:
156
156 is not an Armstrong number.

C:\Users\chara\OneDrive\Desktop\Java Prog>
```