**PROGRAM 2 : PRIME NUMBER CHECKER  
  
PROGRAM :**

**package** Prime\_numbers;

**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** num = scanner.nextInt();

**if** (num <= 1) {

System.***out***.println("Not Prime");

} **else** {

**boolean** isPrime = **true**;

**for** (**int** i = 2; i <= Math.*sqrt*(num); i++) {

**if** (num % i == 0) {

isPrime = **false**;

**break**;

}

}

**if** (isPrime)

System.***out***.println("Prime");

**else**

System.***out***.println("Not Prime");

}

scanner.close();

}

}

**OUTPUT :**

Enter a number : 2

Prime

Enter a number : 15

Not Prime

Enter a number : 17

Prime

Enter a number : 1

Not Prime

Enter a number : 0

Not Prime