***PROGRAM :***

**import** java.util.Scanner;

**package** ace.java;

**public** **class** zoro {

**private** **int** number;

**public** zoro(**int** number) {

**this**.number = number;

}

**public** **boolean** isPrime() {

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

**return** **false**;

}

**int** limit = (**int**) Math.*sqrt*(number);

**for** (**int** i = 2; i <= limit; i++) {

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

**return** **false**;

}

}

**return** **true**;

}

**public** **static** **void** main(String[] args) {

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.print("Enter a number n: ");

**int** n = scanner.nextInt();

zoro zoro = **new** zoro(n);

**if** (zoro.isPrime()) {

System.***out***.println(n + " is a prime number.");

} **else** {

System.***out***.println(n + " is not a prime number.");

}

scanner.close();

}

}

**OUTPUT**

Enter a number n: 3

3 is a prime number.