

Bonus 1

Create a new Eclipse project named **YourStudentId_BN1** and add a class named **Tester** to the project.

- Write a program that given a positive integer x , find the first the prime greater than x .
A prime number (or a prime) is a natural number greater than 1 that cannot be formed by multiplying two smaller natural numbers.
Hint: use flag as a signal to let the program know that the prime is found, and you may use nest-loop to answer the question.

Sample output:

```
Please input a positive integer: 119
The next prime that greater than 119 is 127
```

- Print the circle. Please use the for loop, print(), println(), the symbol "*", and space " " to show a circle on the console.
Hint:

$(x_1 - x)^2 + (y_1 - y)^2 \leq r^2$

The red point is (3, 3)

Sample output:

```
      *
    *****
  *****
*****
  *****
    *****
      *
```

Submission: Submit your project as “zip (or rar) file” via WM5. No other submissions will be graded.

Reminder: Please zip **the whole project**

Deadline: Tomorrow’s midnight (for both Mon56 and Tue23)