



HO CHI MINH UNIVERSITY OF SCIENCE
FACULTY OF INFORMATION TECHNOLOGY
SOFTWARE ENGINEERING DEPARTMENT
ADVANCED PROGRAM IN COMPUTER SCIENCE
COURSE: **INTRODUCTION TO PROGRAMMING AND
PROBLEM-SOLVING**
LECTURER: Dr. ĐÌNH BÁ TIẾN

Final exam

TRƯỜNG PHƯỚC LỘC
HỒ TUẤN THANH

HCMC, 2016

1. (25%) Write a program that asks the user to type the value of N, and display an output like the following:

N = 4

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

2. (30%) Write a program that asks the user to type the list of number, and display indices of largest elements.
3. (45%) Write a program that asks the user to type the list of point & the circle and display a point which has the smallest distance to the circle.

A point has the coordinates (x and y)

A circle has the center (x, y) and radius

Rules:

- Time: 60 minutes.
- File name: StudentID.zip
- No function (-30%).
- No struct (-30%).
- No code format (-30%).

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