

LAB 1 Exercises

You need to complete all questions.

Due date: Week 3 in your laboratory session where your laboratory instructor will assess you during your laboratory class. Upload submission on VU Collaborate after demonstration.

1. Write a program that prints out the following information to the screen. It is important that when your program runs the output matches line for line, including the blank lines shown.

ANNOUNCEMENT

If you are studying Object Oriented Programming, you can ask Grace for help.

In order to do well in this unit, you have to work consistently throughout the semester.

2. Write a program that prints the phrase *Knowledge is Power* in each of the following three ways:
 - a. On one line
 - b. On three lines, one word per line, with the words centred relative to each other
 - c. Inside a box made up of the characters = and |
3. Write a program that prints the session times and room for the lecture and laboratory practices in ECB1121. You should use the tab `\t` in your code.

Day	Time	Room	Staff
=====			
Tuesday	16:00 to 18:00	D506	Grace Tan
Wednesday	14:00 to 16:00	D608	Grace Tan
Thursday	11:00 to 13:00	D506	Grace Tan

4. Write a program that converts 25 metres to centimetres. The program must include the following statements

```
final int CENTIMETRES_PER_METRE = 100 ;
int metre = 25;
```

Once the program computes the answer in centimetres, the result is printed to the screen, showing the given value for metres and the answer in centimetres.

5. Write a program that converts 72 hours to minutes and prints the results on the screen. Then the program converts 72 hours into seconds and prints the results on screen. Make sure to create and use constants in your program, for example

```
final int MINUTES_PER_HOUR = 60 ;
final int SECONDS_PER_MINUTE = 60 ;
```