HW0: Test your server accounts/environments.
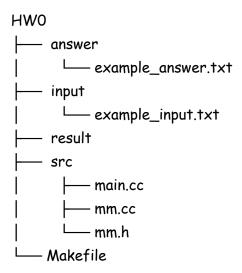
MGP 2022 Spring
Due: 03/09 Wed 11:59 pm

We will use a linux server for labs and assignments throughout this course. To make sure that everyone gets an account and to get you used to the environment, here's a mini assignment – it should be super-easy provided that you have fulfilled the prerequisites.
We have assigned each of you a user account to our server **(server address: acsys01.yonsei.ac.kr, IDs separately announced, Initial Password: tnrwpgoTjdu)**
Connect to the server with SSH. (Please change your password.)
You will use the same account throughout this semester.
There is HW0.zip in your home directory.

```
HW0
├── answer
│     └── example_answer.txt
├── input
│     └── example_input.txt
├── result
├── src
│     ├── main.cc
│     ├── mm.cc
│     └── mm.h
└── Makefile
```

For the current project, you will have to complete the code for a string 'matchmaker', that finds the number of repetitive occurrences of substrings ('query') inside a long reference string.
In the example_input.txt, the first line is the reference string, the next line holds one integer that indicates the number of queries, and the following strings are the queries.
For example,

```
$cat input/example_input.txt
```

```
ThebestofbestlectureisMGP //reference string
2 // number of queries
best //query 1
MGP //query 2
```

Then the answer would be

```
$cat answer/example_answer.txt

2 1 // query 1, query 2
```

1. Complete **Match()** function in **src/mm.cc** so that it counts the number of repetitive occurrences of substrings
2. Compile your code, and generate a binary named "mm" directly under the directory HW0. To run it, use the command
      ./mm input/example_input.txt answer/example_answer.txt.
 Your binary will output "PASS!" if you have sorted it right. (which automatically means, don't touch main.cc)
3. That's all! No need to submit, no need to write a report. We will visit your directory ourselves and check if they work.
*If you want to check your result, look at result/output.txt.