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: acsys.yonsei.ac.kr, IDs separately announced)
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
│   └── answer.txt
├── input
│   └── 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 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.