# Task (Not a formal lab sheet)
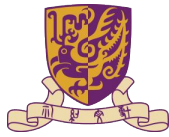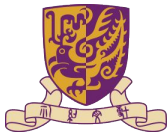
1. Use the command line to create a folder called **cakin_ws** in your home directory

2. Print the calendar of March of 17XX (XX = the last 2 digits of your SID), name 17XX.txt

3. Export this calendar as a text file to the **catkin_ws** folder

4. Write a simple Python code that can print this calendar by reading the txt file

5. Use command line to run this py file

When you are done, ask the TA to check

(Learning how to google is important in programming)

# Reference Answer

1. Use the command line to create a folder called **cakin_ws** in your home directory

2. Print the calendar of **March of 17XX** (XX = the last 2 digits of your SID), named 17XX.txt

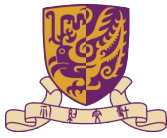3. Export this calendar as a text file to the **catkin_ws** folder

```
Ctrl + Alt + T
```

```
$mkdir catkin_ws
```

```
$cd catkin_ws
```

```
$cal 3 1775 > 1775.txt
```

```
$gedit 1775.txt
```

4. Write a simple Py code that can print this calendar by reading the txt file

```
$touch filename.py
```

```
$gedit filename.py
```

Method 1:

```python
file_path = "/home/usr_name/catkin_ws/1775.txt" # Path to the.txt file
# absolute path or relative path

try:
    with open(file_path, "r") as file:
        calendar_contents = file.read()
        print(calendar_contents)
except FileNotFoundError:
    print(f"File '{file_path}' not found.")
```
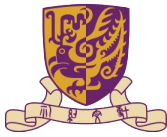
Method 2:

```python
file_path = "/home/usr_name/catkin_ws/1775.txt" # Path to the .txt file

with open(file_path, "r") as file:
    calendar_contents = file.read()
    print(calendar_contents)
```

Many other methods…

Use command line to run this py file

```
$cd ..
$cd catkin_ws
$python3 filename.py
```

Since you are using a newly installed OS, you may need to install the necessary packages if you cannot run the file

```
$sudo apt update
$sudo apt upgrade
$sudo apt install python3
$python3 --version # check py version
```

Additionally, you may want to install pip, the package installer for Python, by running the following command:

```
$sudo apt install python3-pip
```

The term "sudo" stands for "Superuser Do" in Linux and Unix-based operating systems