* [10 March - 16 March](https://moodle.sabarirb.org/course/view.php?id=24" \l "section-8)

10 March - Threads

Creation of threads

<https://www.educative.io/answers/how-to-create-a-simple-thread-in-c>

<https://www.geeksforgeeks.org/multithreading-in-c/>

<https://www.cs.cmu.edu/afs/cs/academic/class/15492-f07/www/pthreads.html>

In Python (for understanding threads)

<https://www.pythontutorial.net/python-concurrency/differences-between-processes-and-threads/>

* This week

[17 March - 23 March](https://moodle.sabarirb.org/course/view.php?id=24#section-9)

17 March - Threads

Implementation of producer and consumer through threads

A producer generates a random number from 1 to 10 and the consumer consumes it through a shared buffer. Write a C program to implement this structure using separate threads of producer and consumer.

* + [[https://moodle.sabarirb.org/theme/image.php/boost/core/1600259619/f/document-24](https://moodle.sabarirb.org/mod/resource/view.php?id=334)codes\_threadFile](https://moodle.sabarirb.org/mod/resource/view.php?id=334)

Consider these codes. Correct the errors if any and execute those. What is the functionality of each of these codes. Write the functionality in your notebook and submit the codes with execution in GitHub classroom - <https://classroom.github.com/a/9pobC7qS>

* + [Build OS from scratchPage](https://moodle.sabarirb.org/mod/page/view.php?id=335)

This is an optional exercise.

Implement this tutorial from <https://wiki.osdev.org/Bare_Bones>

You will get bonus points on this implementation.