



# Introduction to Operating Systems

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## Introduction

Welcome to the course on Operating Systems. In this course, we will demystify the magic behind OS and understand the relevance of OS in a computer system.

## Flow of Lecture

In this lecture, we will be answering following questions and discussing following concepts:

1. We will understand the relevance of OS and what may possibly go wrong, if there is no OS.
2. We will conclude this discussion by coming up with functions of OS and detailed definition of OS.
3. Next, we will talk about the components of the OS, which are user space and kernel space. In the following videos, we will go into depth of the kernel, as it is a critical component of the OS and it is the only component of the OS which has privileged access over hardware.
4. The next question that comes naturally is: how can user space get its tasks done by hardware and how communication happens between the user space and kernel space. The answer to these questions lies in system calls. In this last section of the lecture, we will discuss system calls in detail.