# Logging the right way

And why it's important.
... with ...

## Contents

## Why Logging ?

*You are gonna realize it when your code fails.*

1. Helps in debugging.
2. Tracking code and understanding what your code does.
3. Helping others to understand what your code does.
4. Optimize your existing code.

## Implementation in Django

- Django uses python built-in module to perform system logging.
- Different logging levels - Info, warning, exception, error, critical.
- Configuring Logging.
    - Handlers
    - Logging destination.
    - Defining logging format

## Meaningful logging

- Write them for others.
- Logging should be story for any user session/ request-response cycle.
- More than words data points matter.
- Use common semantics in logging across microservices.
- Don’t over do it.

## Leveraging python logging

- Using multiple handlers.
- Custom Logging formatters.
- Problems you might face while writing logs.
    - What to do to log a particular value every time throughout your project for ex. User_id ?
    - Logging all helper functions.
    - Hiding sensitive data while logging.

## Django_easy_logger

1. Defining global format in settings.
2. Defining global log variables.
3. Hiding sensitive data to get logged.
4. Function Logger.

# Thank you