

# Async/Await



# ANALOGY

Before going to work at 08:00 am,  
you need to complete your morning routine



07:00 am

You



Bed

You have a morning routine composed  
of 5 activities:



Take a shower



Eat Breakfast



Get Dressed



Put on Makeup (Forgot this one 😬)



Read the news



Your have 2 choices.  
Pick One

1- Doing each activity in a row



2- Completing all activities,  
no matter the order.

Did you choose the 2nd one 🤔

Damn 😓, you can't get  
dressed before you finished  
showering




**Orders Matter.**

To make sure that all 5 activities happen in **order**, we need **Async/Await** pattern

Here's an example of async function

```
const morningRoutine = async (startTime) => {  
};
```



Let's add our morning routine here

1st Code : Run in order

2nd Code : Random order

```
const morningRoutine = async (startTime) => {  
  const step1FinishTime = await shower(startTime)  
  const step2FinishTime = await eatbreakfast(step1FinishTime)  
  const step3FinishTime = await getDressed(step2FinishTime)  
  const step4FinishTime = await putOnMakeup(step3FinishTime)  
  const step5FinishTime = await readNews(step4FinishTime)  
  return step5FinishTime;  
};
```

```
const morningRoutine = (startTime) => {  
  const step1FinishTime = shower(startTime)  
  const step2FinishTime = eatbreakfast(step1FinishTime)  
  const step3FinishTime = getDressed(step2FinishTime)  
  const step4FinishTime = putOnMakeup(step3FinishTime)  
  const step5FinishTime = readNews(step4FinishTime)  
  return step5FinishTime;  
};
```

We use the **await** keyword to wait for a promise to be resolved before continuing to the next line of code.

```
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  const step3FinishTime = await getDressed(step2FinishTime)  
  const step4FinishTime = await putOnMakeup(step3FinishTime)  
  const step5FinishTime = await readNews(step4FinishTime)  
  return step5FinishTime;  
};
```





Here's an illustration of code

```
const morningRoutine = async (startTime) => {
```



```
}
```