

# Async/Await



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# Imagine

you are a student and have some routine to do, this routine consists of 4 activities



tools preparation



transportation



study

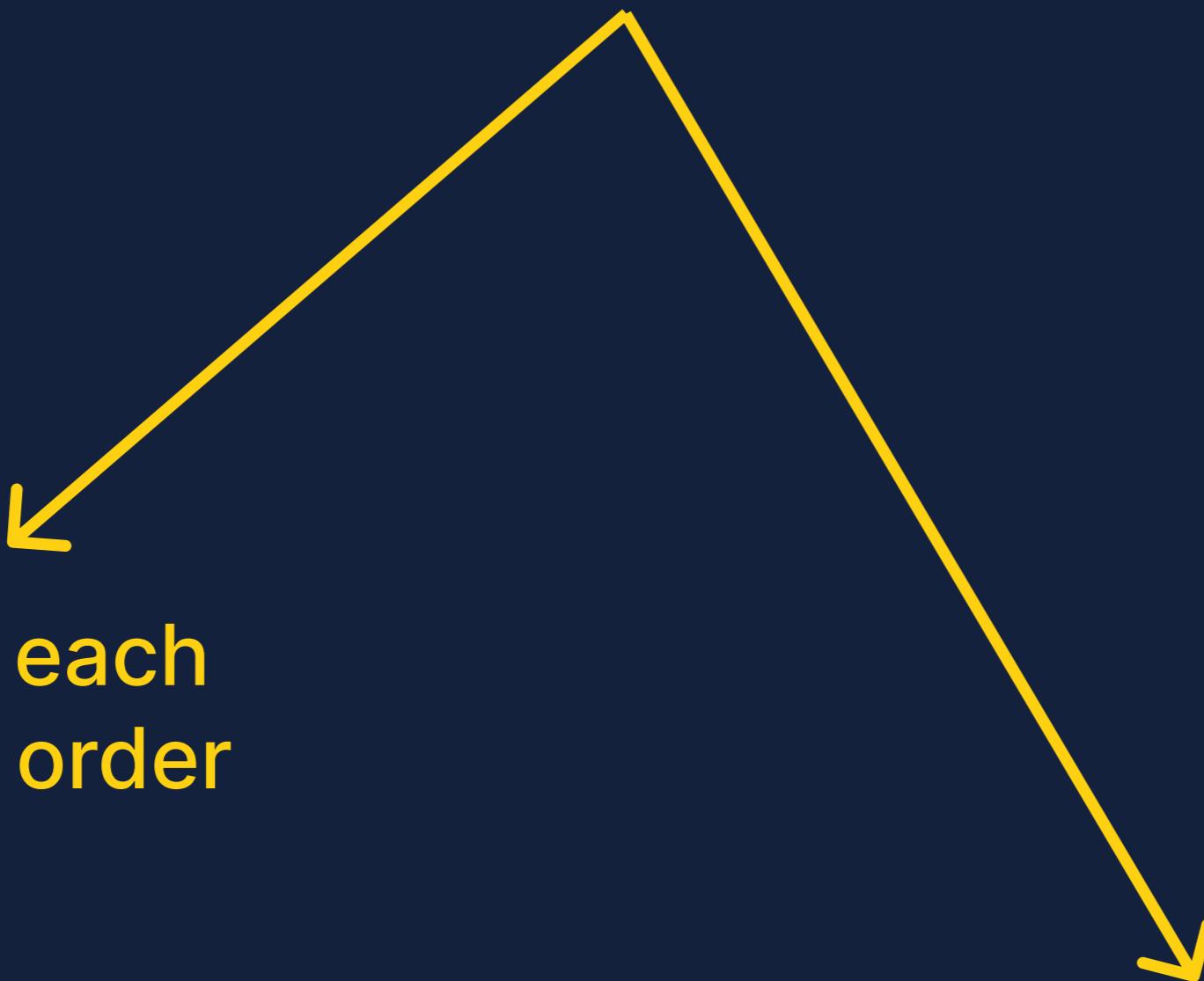


solve



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# You can do that in **2 ways**



1. Doing each  
one in its order

2. Doing all the activities  
in no specific order.



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If you choose the second way, you will see that you can not go to school without having your tools prepared, also you can not solve homework without studying.

Order matters here, so you have to choose the first way.  
you need **Async/Await**.



```
let studentRoutine = async () => {  
    activites  
}
```



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## Activites done in order



```
let studentRoutine = async (start) => {
  let finishActivity1 = await toolsPreparation(start);
  let finishActivity2 = await toolsPreparation(finishActivity1);
  let finishActivity3 = await toolsPreparation(finishActivity2);
  let finishRoutine = await toolsPreparation(finishActivity3);
  return finishRoutine;
}
```

## Activites done in a random order



```
let studentRoutine = async (start) => {
  let finishActivity1 = toolsPreparation(start);
  let finishActivity2 = toolsPreparation(finishActivity1);
  let finishActivity3 = toolsPreparation(finishActivity2);
  let finishRoutine = toolsPreparation(finishActivity3);
  return finishRoutine;
}
```



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we use the **await** keyword to wait for each promise to be resolved first then execute the next line of code.

```
let studentRoutine = async (start) => {
```

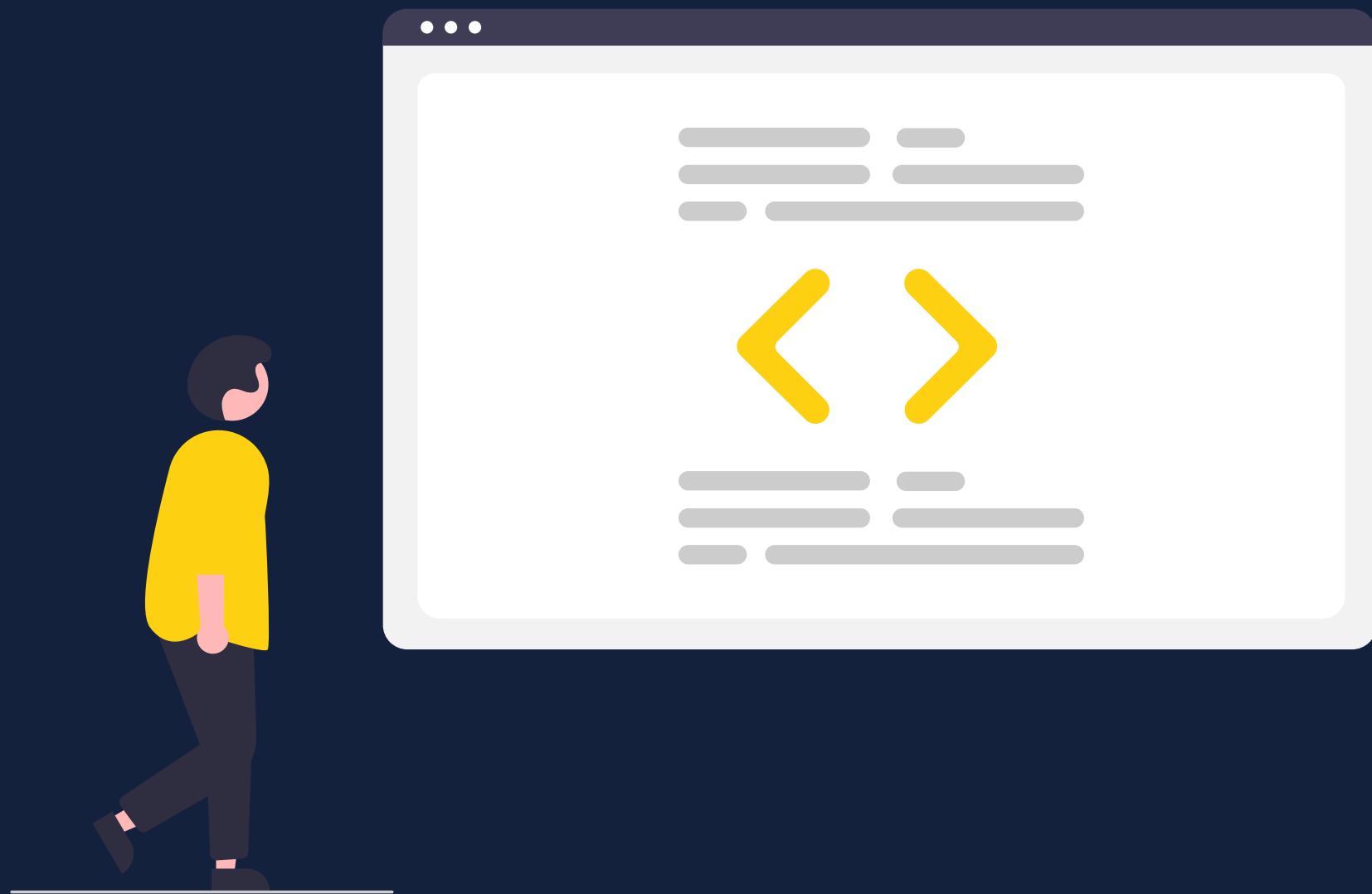


```
}
```



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The 5 activities can be done in order using **Promise Chaining**, which I will explain in the next post.



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