

Lab Requirement: Asynchronous JavaScript

Task Overview

You are required to implement the **processOrder** function, which takes an **orderId** parameter and performs the following operations:

1. **Validation:** Check if the given **orderId** is invalid (e.g., null or undefined). If it is, throw an error.
2. **Simulated Database Query:** Simulate a database query that fetches order details using a timeout.
3. **Return the Order Details:** After fetching, return the order details.

Your task is to implement **processOrder** using three different asynchronous techniques:

- Promises
- Async/Await

Implementation Requirements

You are **not required** to run a real database query. Instead, simulate the process using a timeout:

```
setTimeout(() => {  
  console.log(`Fetching order details for order ID: ${orderId}`);  
}, 1000);
```

Handle errors by printing the invalid order ID:

```
console.log("Invalid order ID", orderId);
```