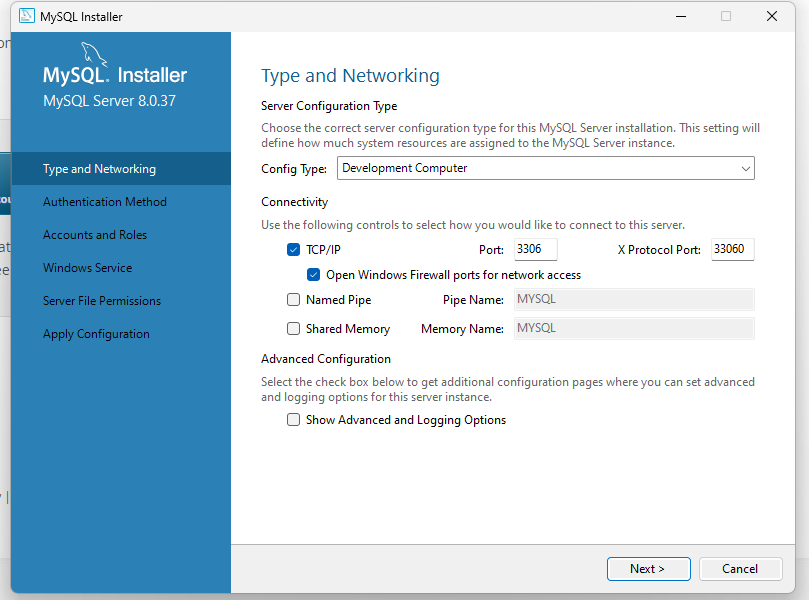
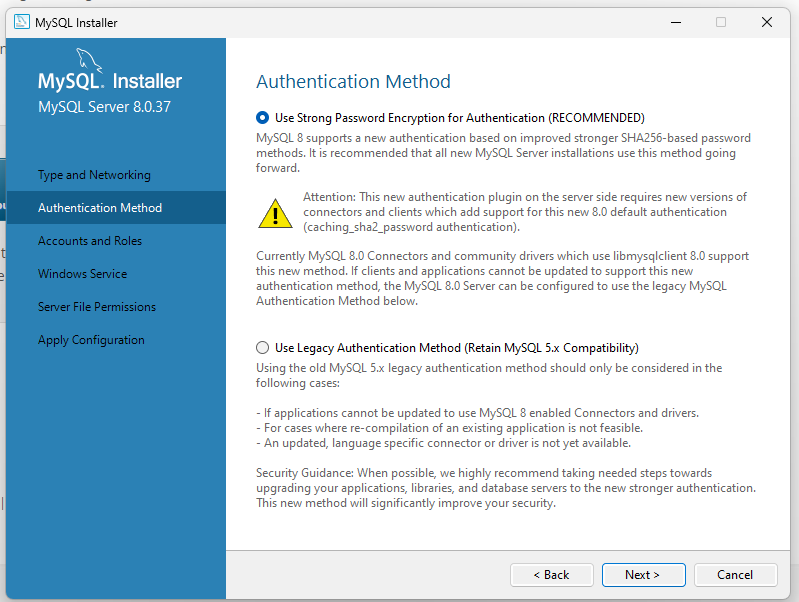
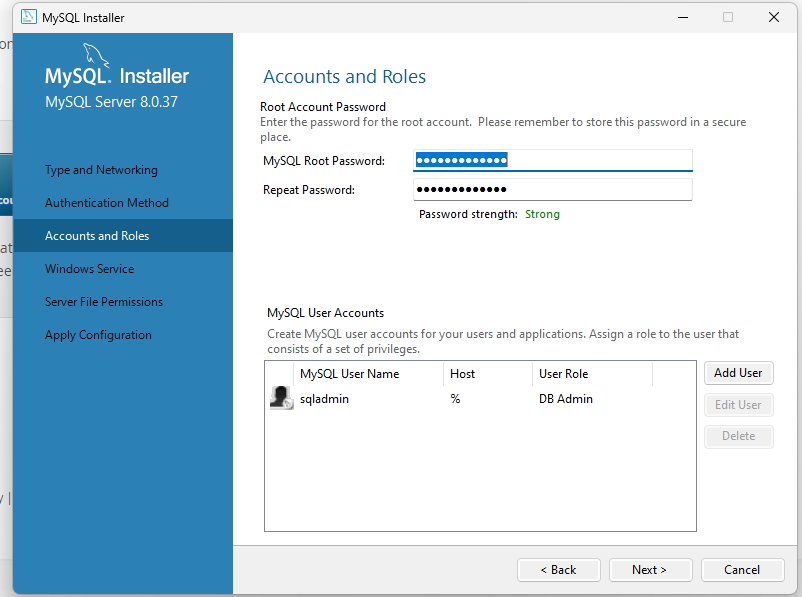
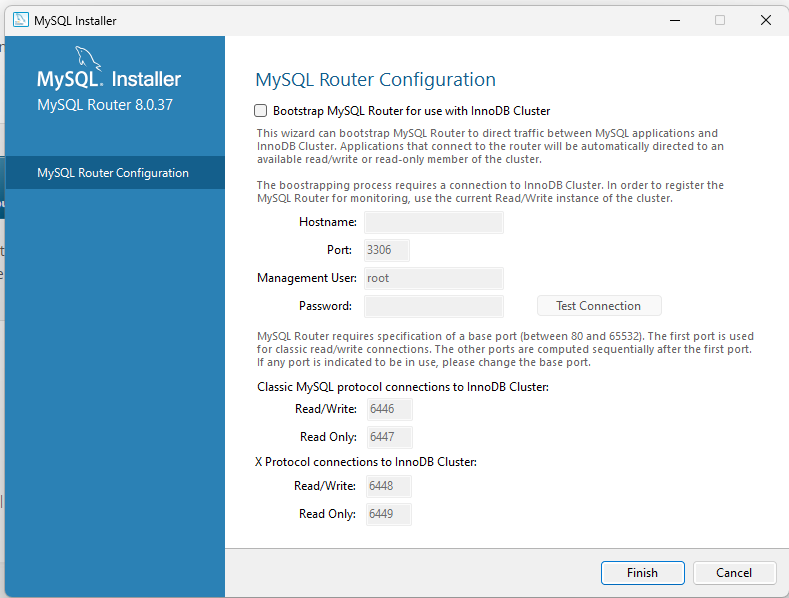
React Node.js MySQL CRUD Tutorial for Beginners

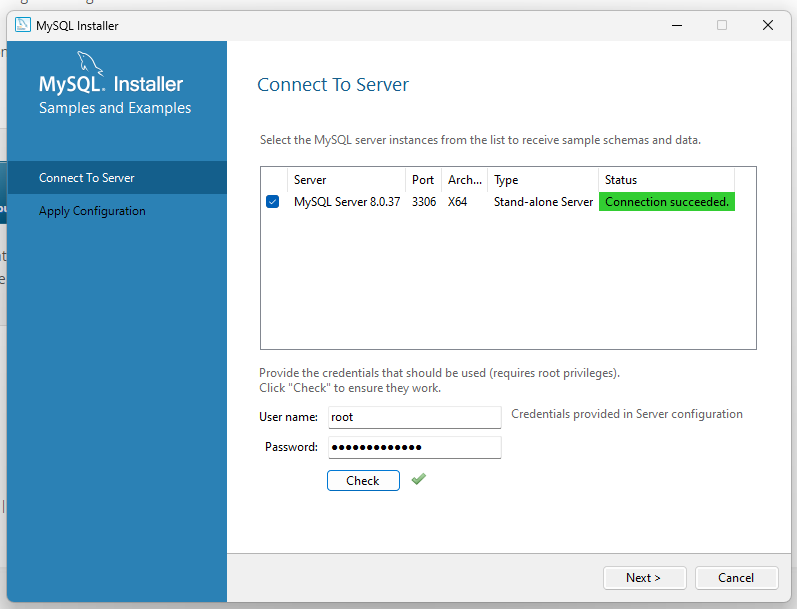
<https://www.youtube.com/watch?v=fPuLnzSjPLE&list=PLXE2Bj4edhg56h_EB2JbUKPfknkPo_Jyv>

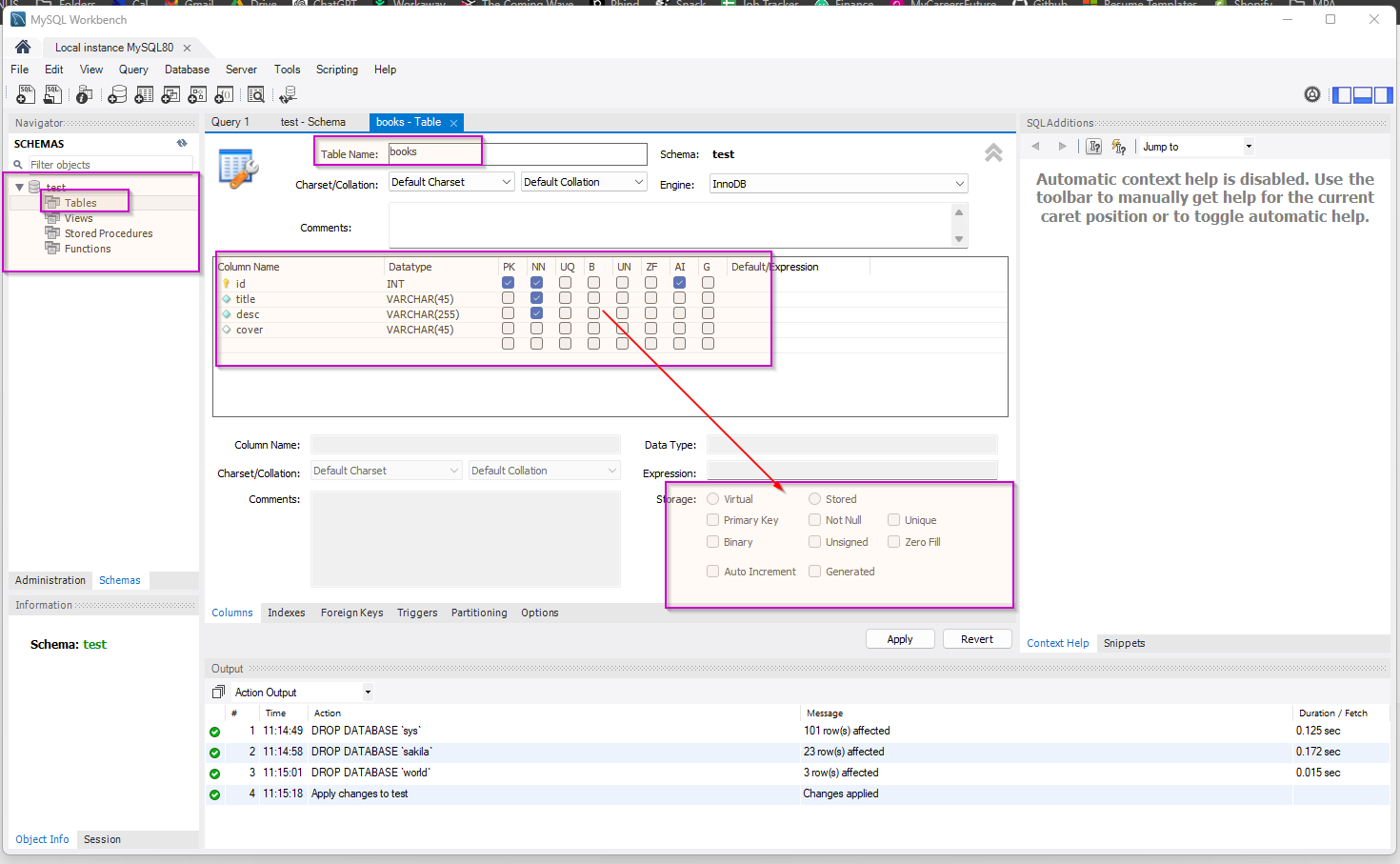


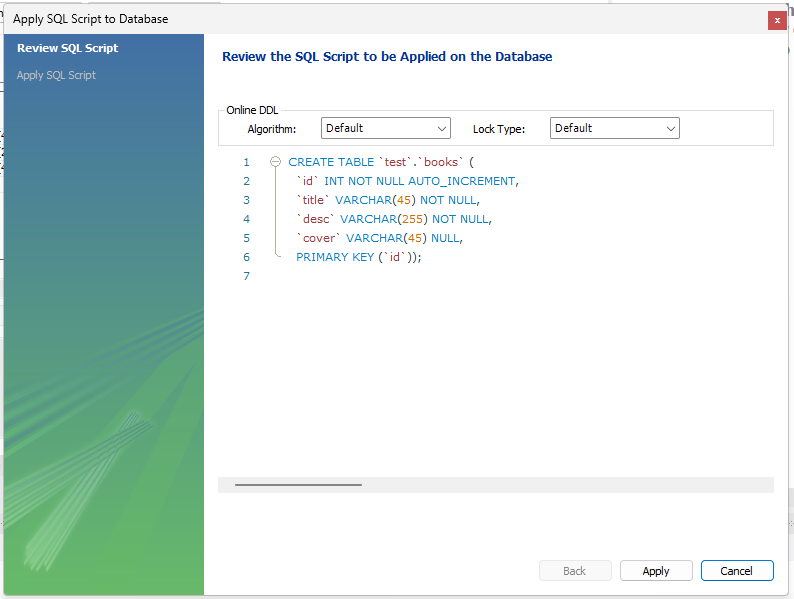


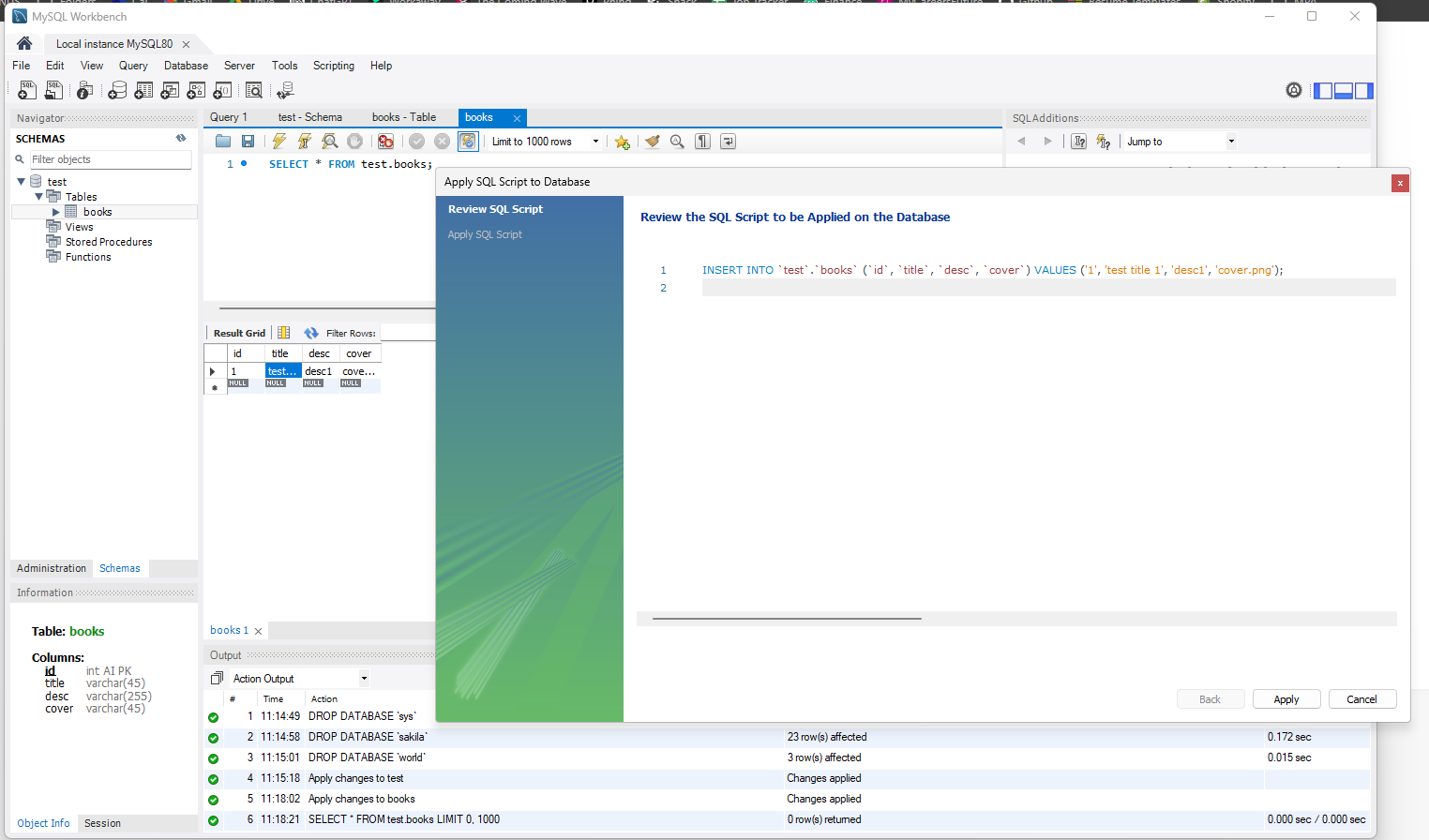


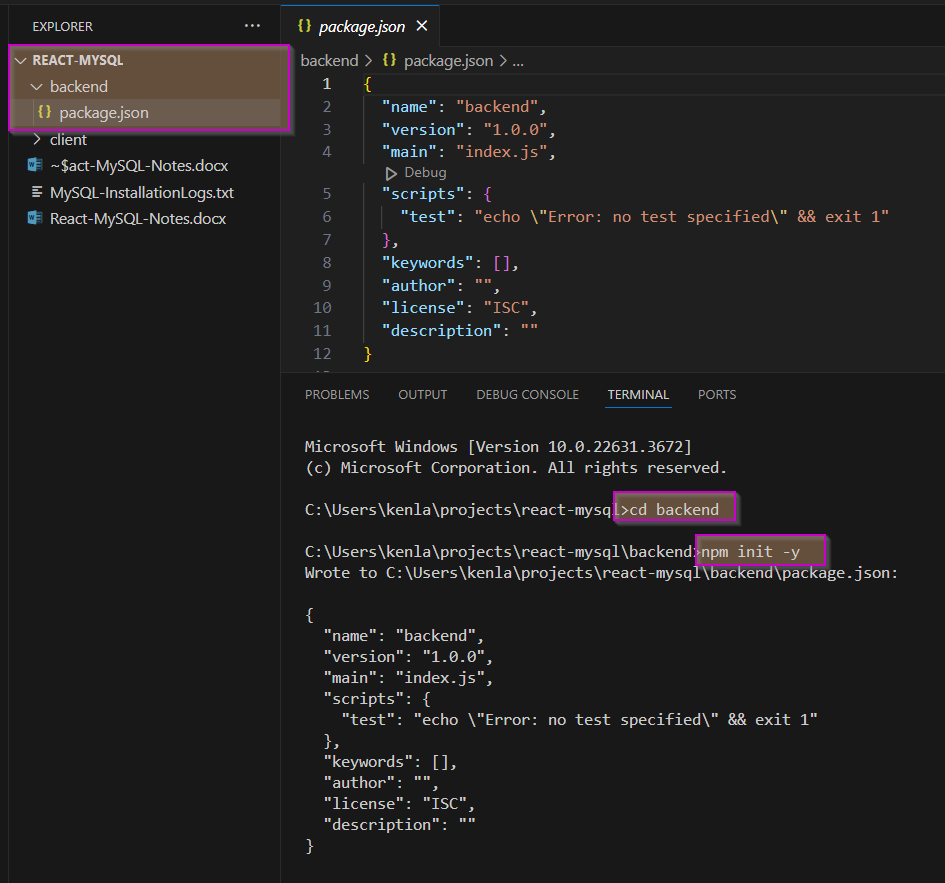


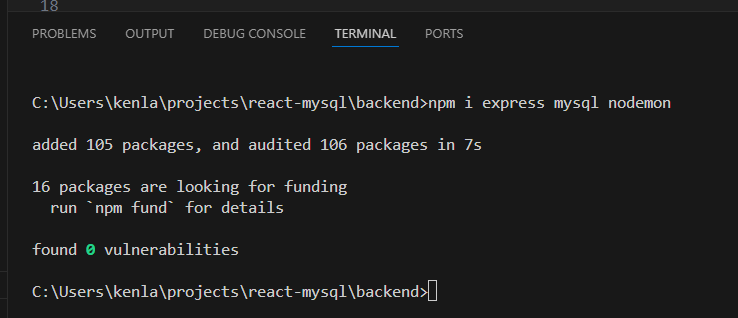


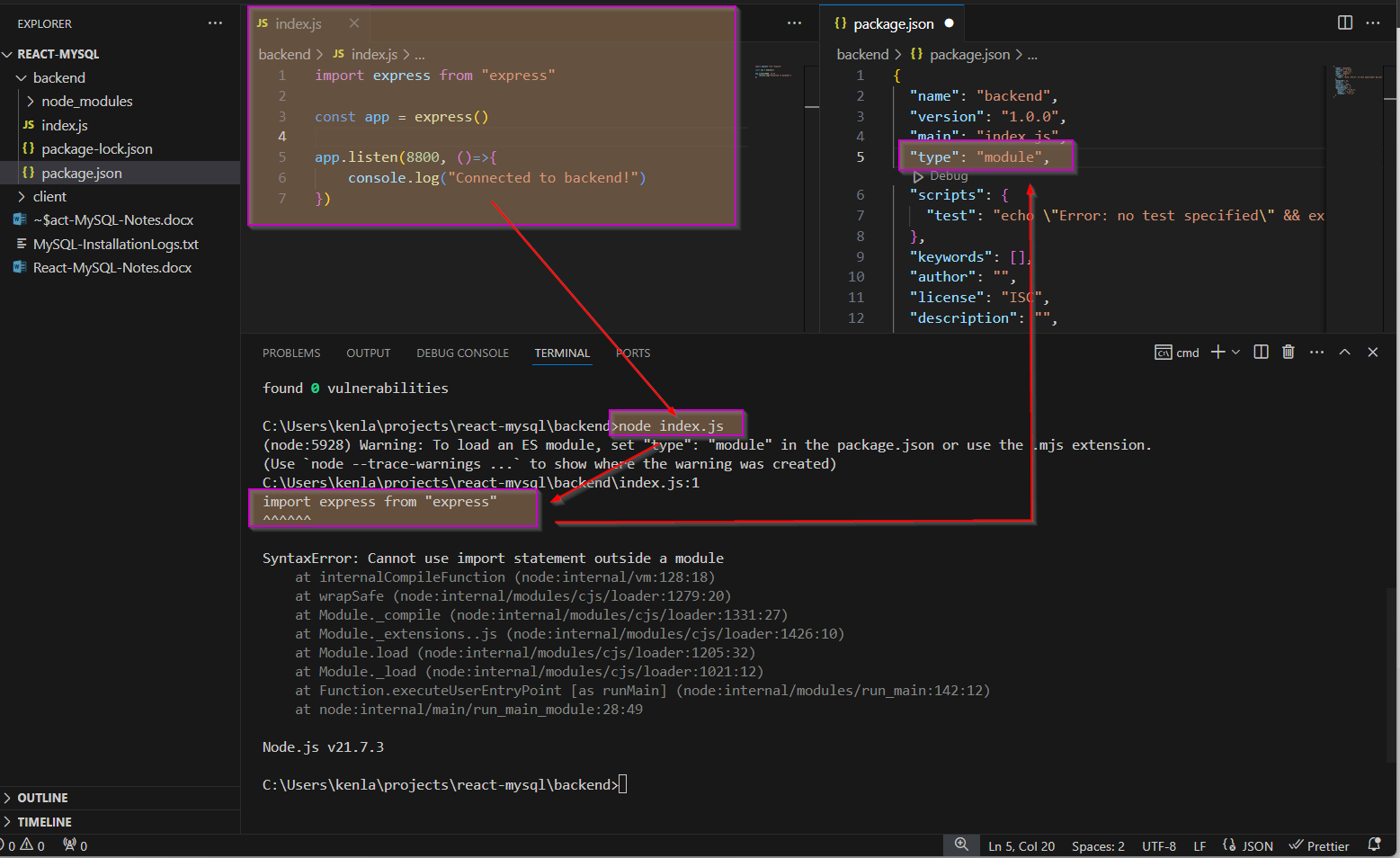


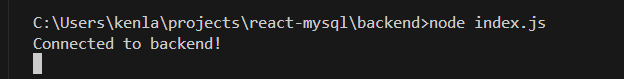


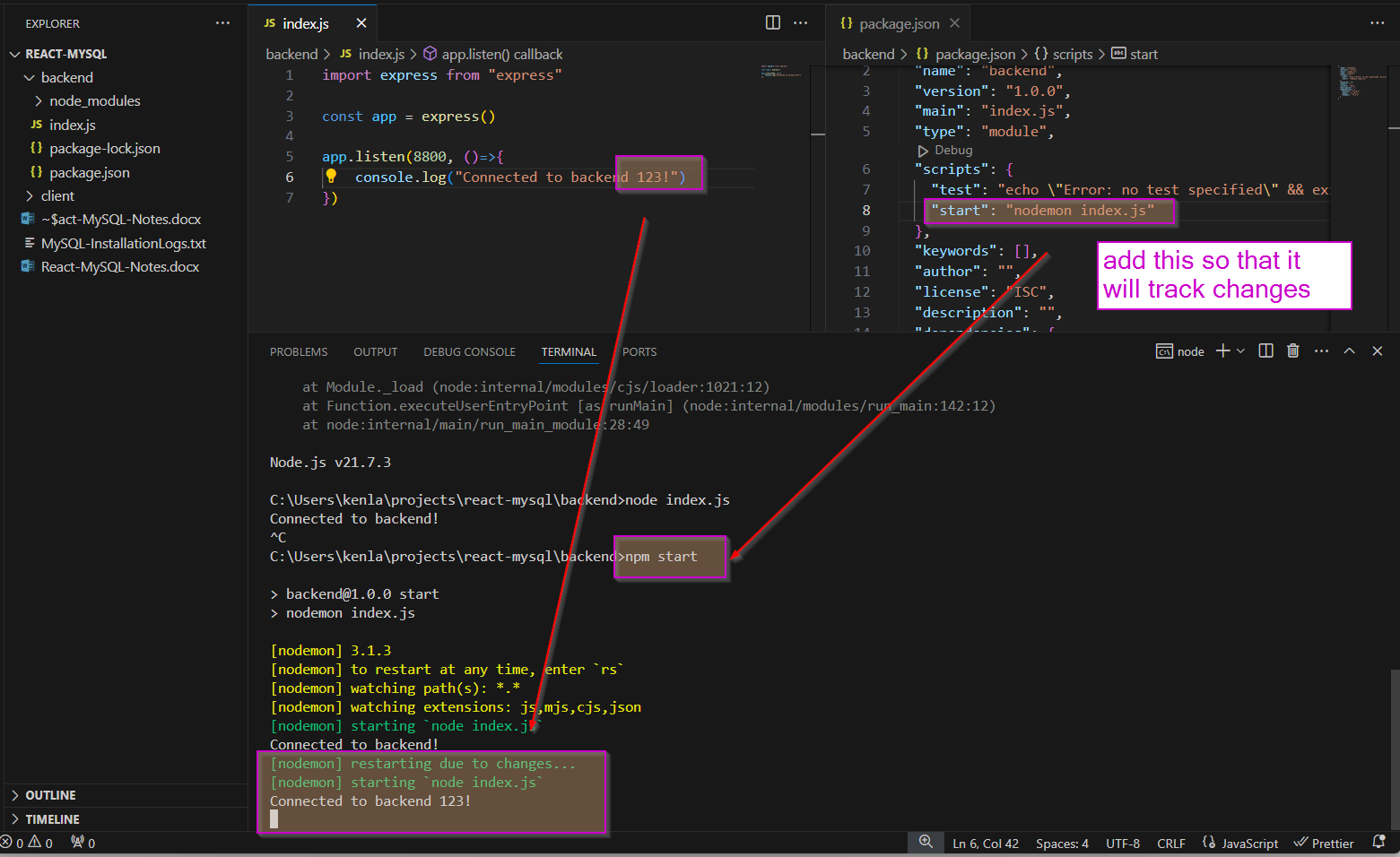


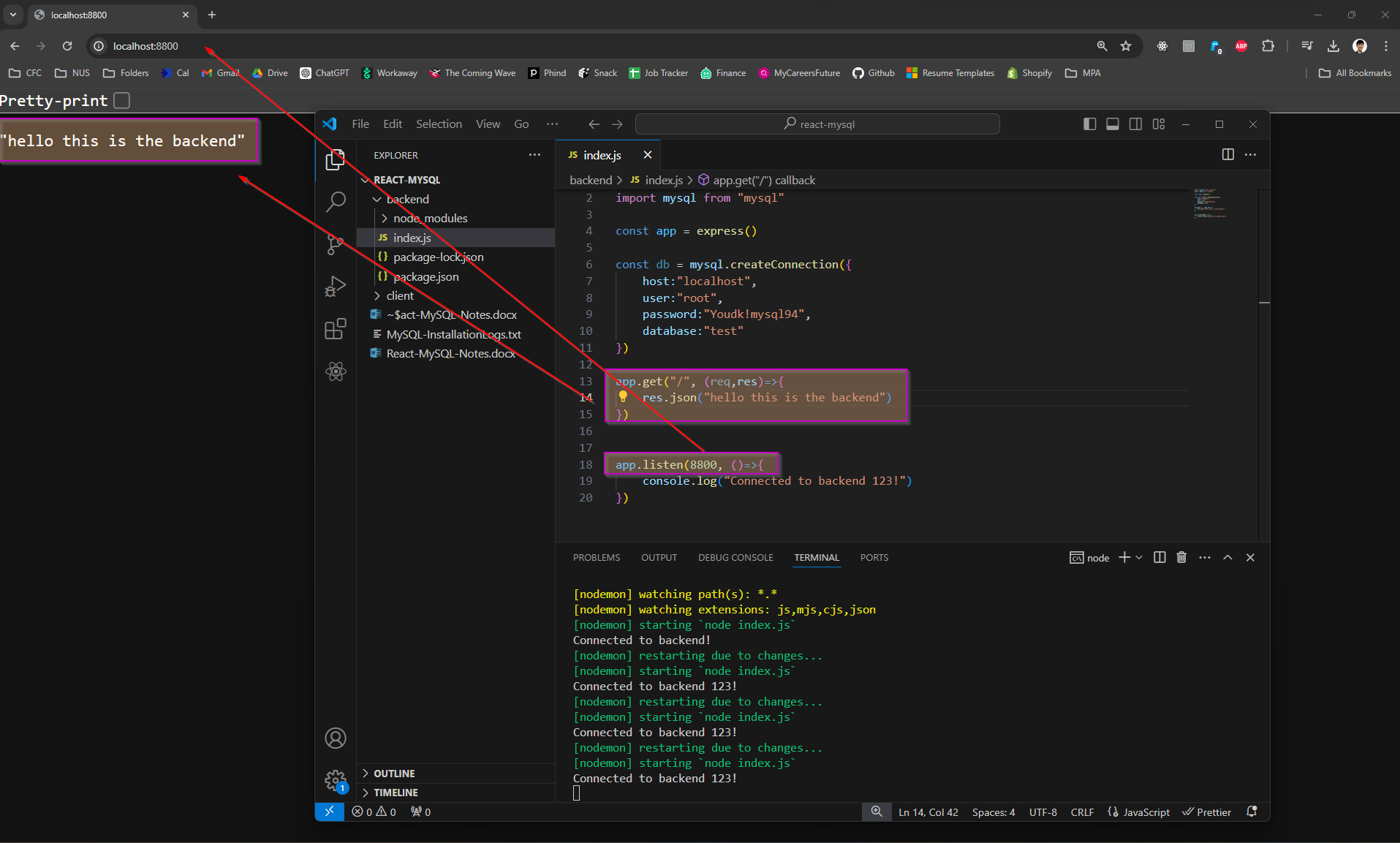


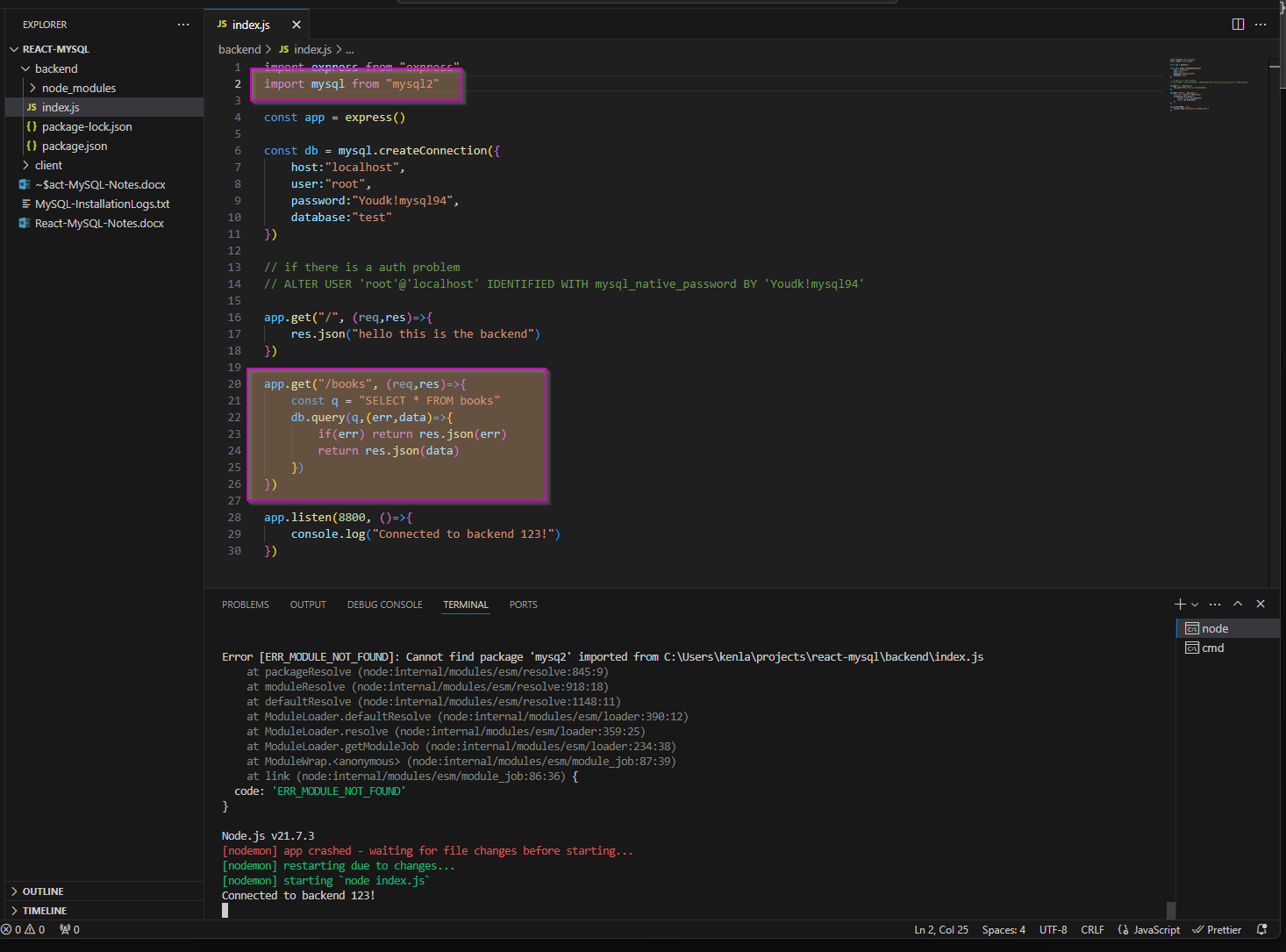


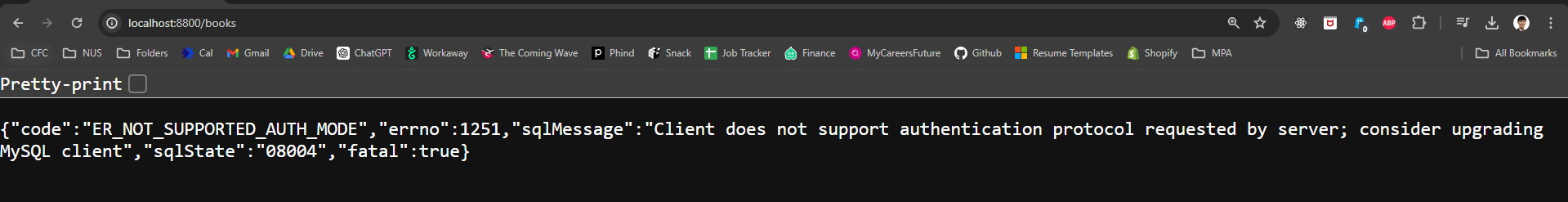


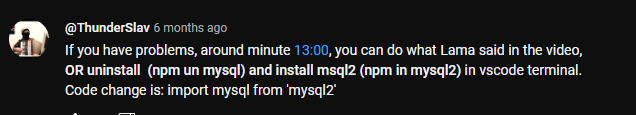


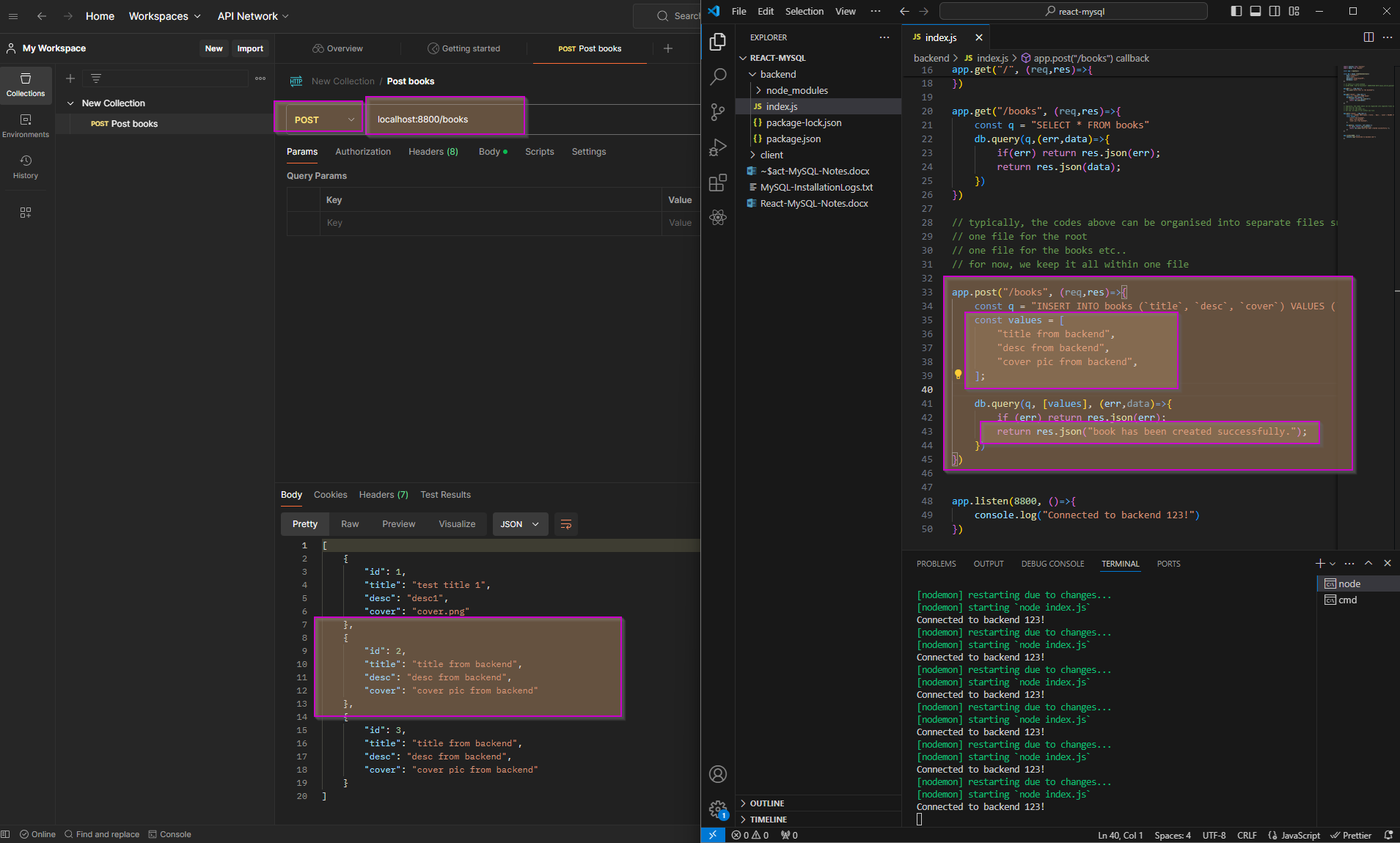


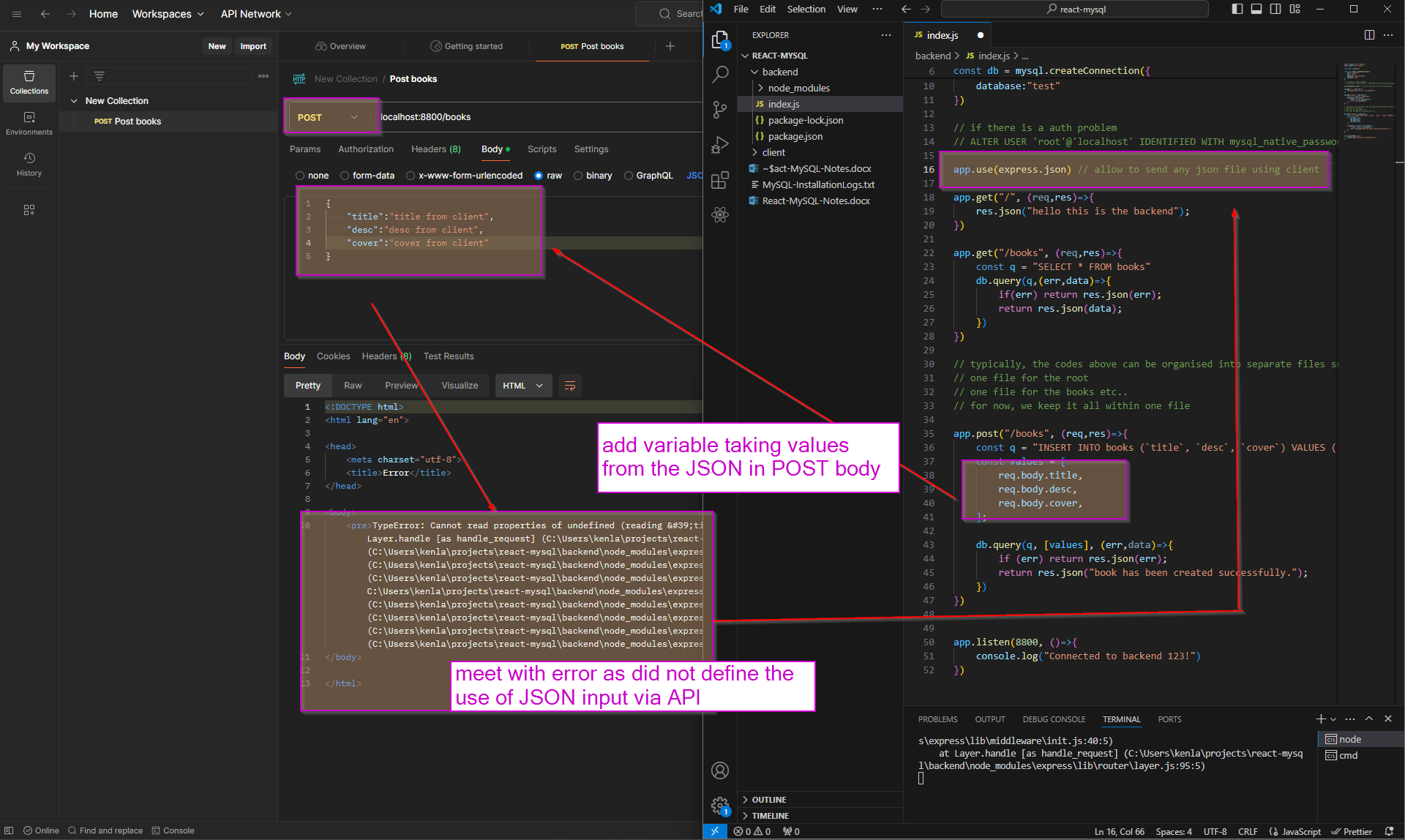




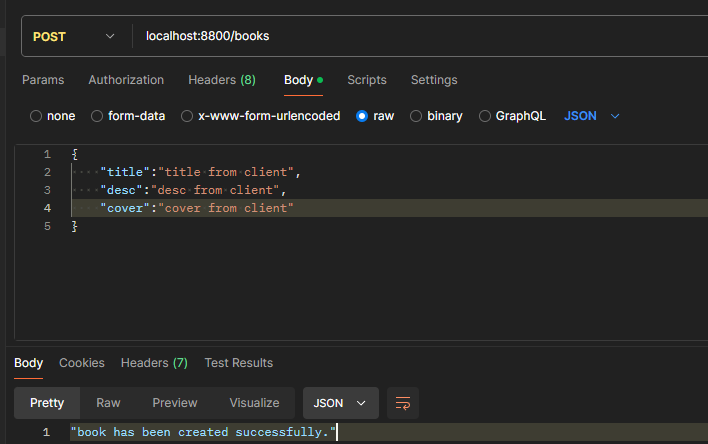


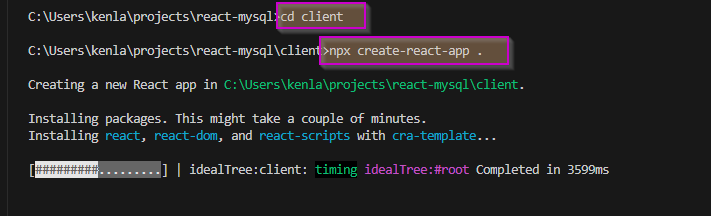


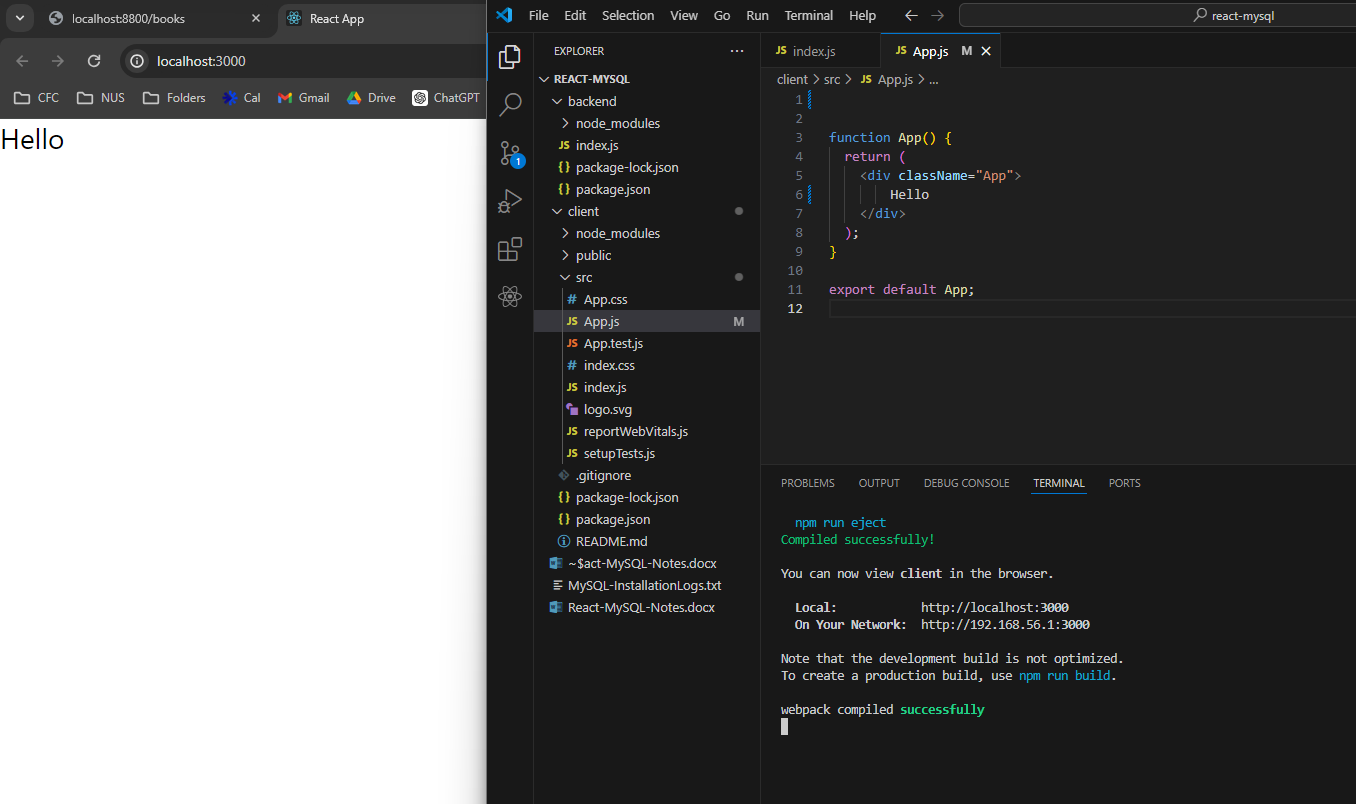


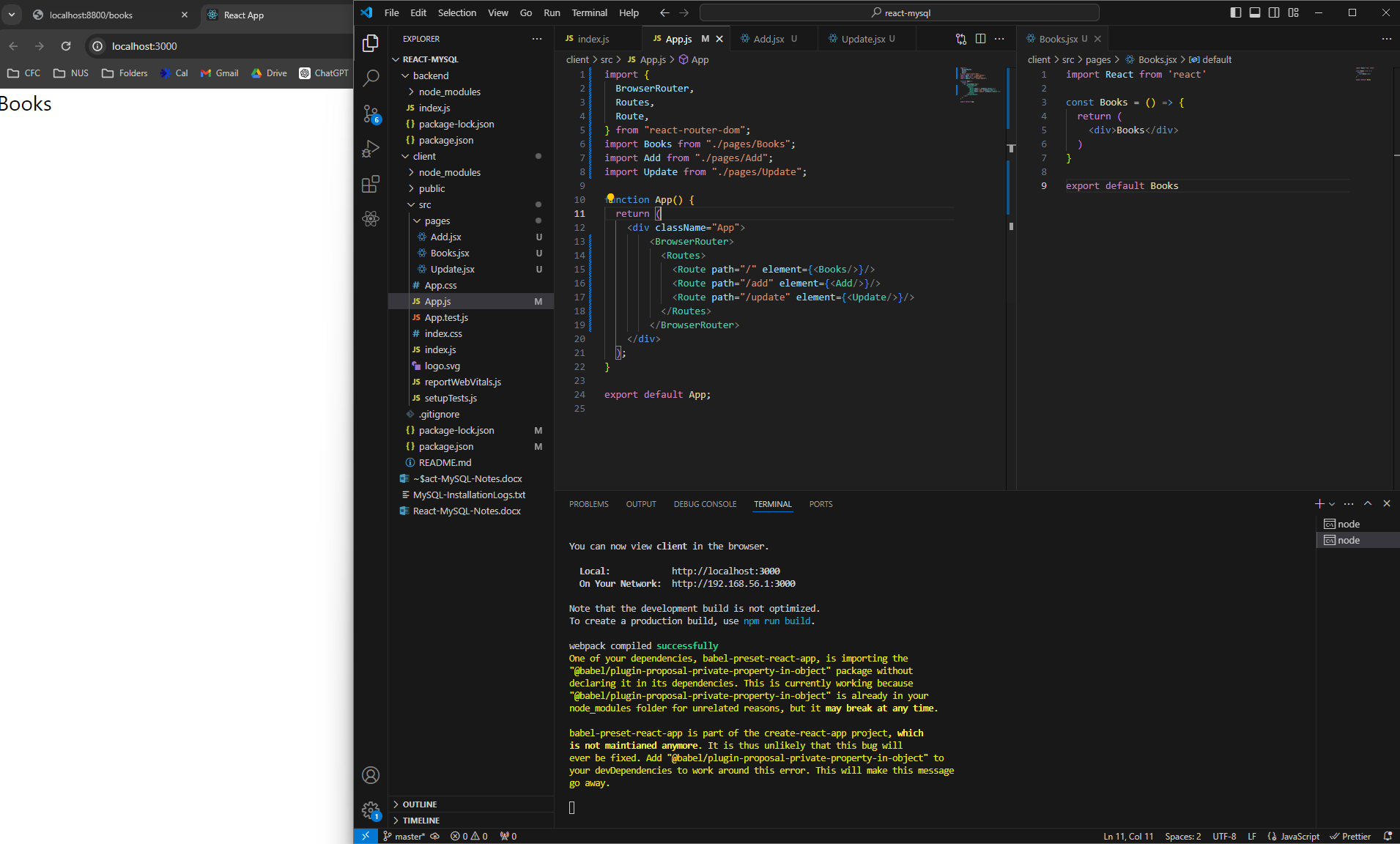


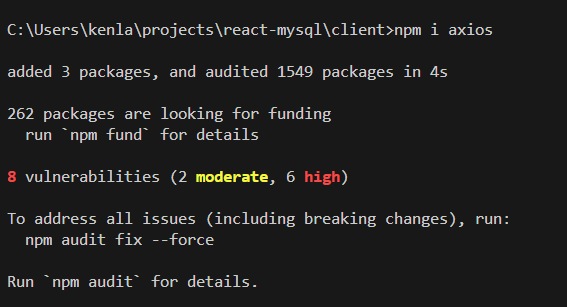


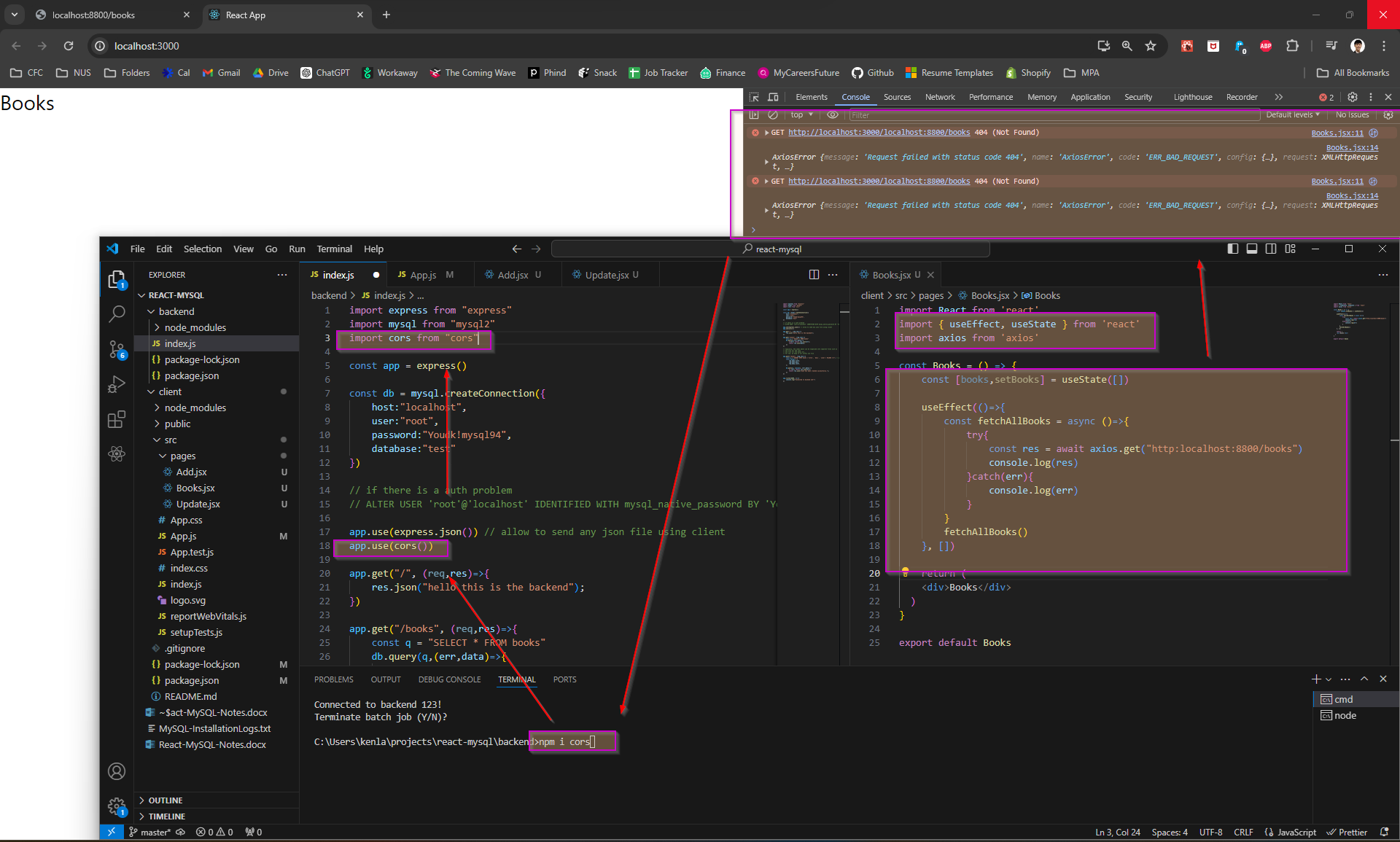




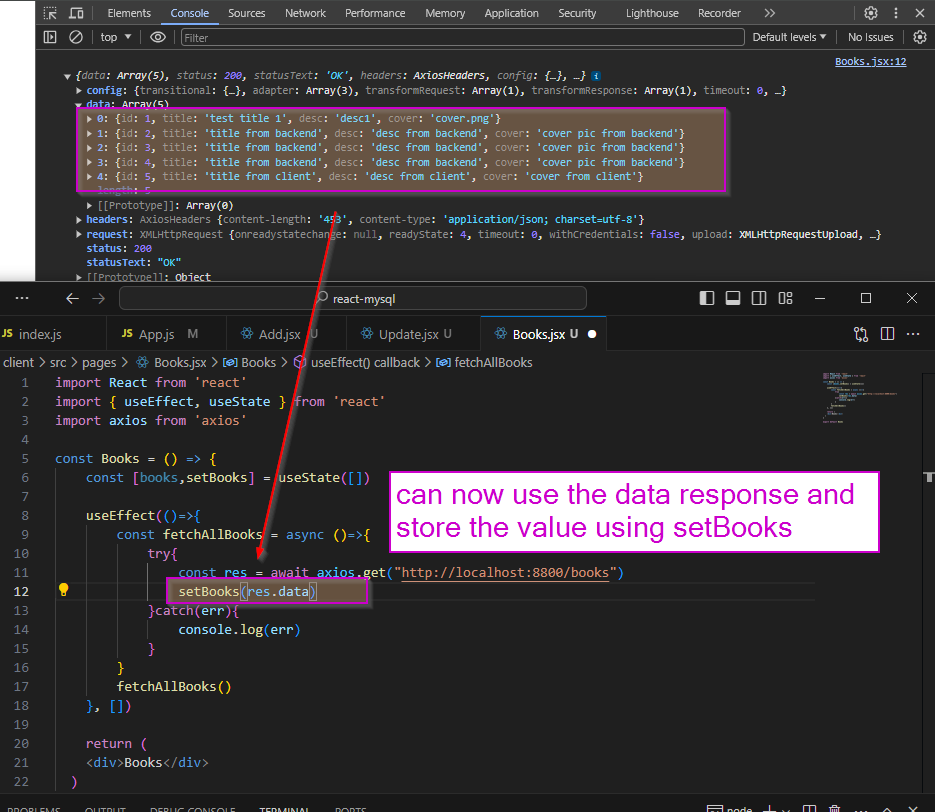


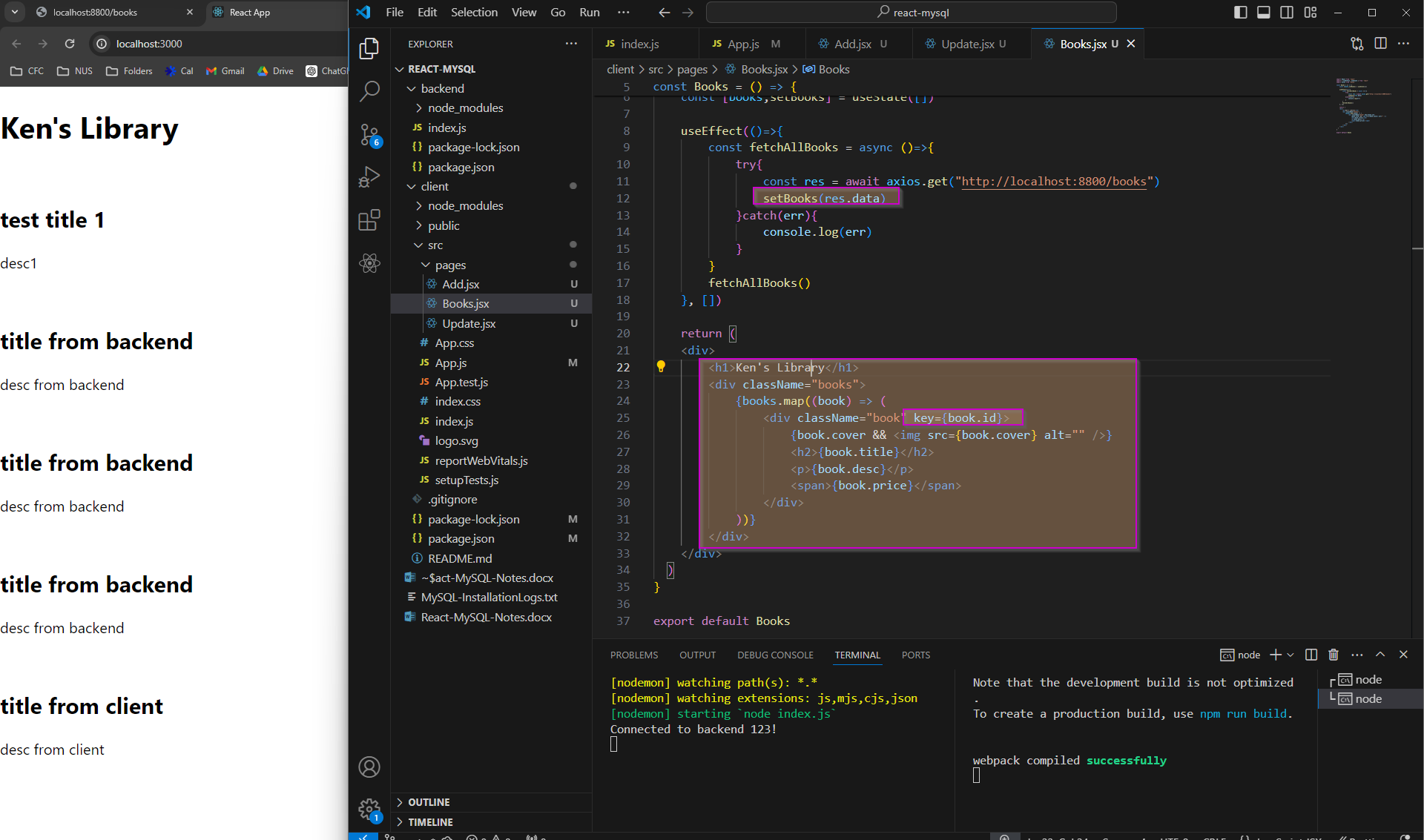




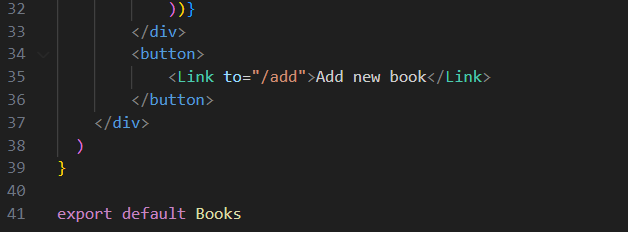


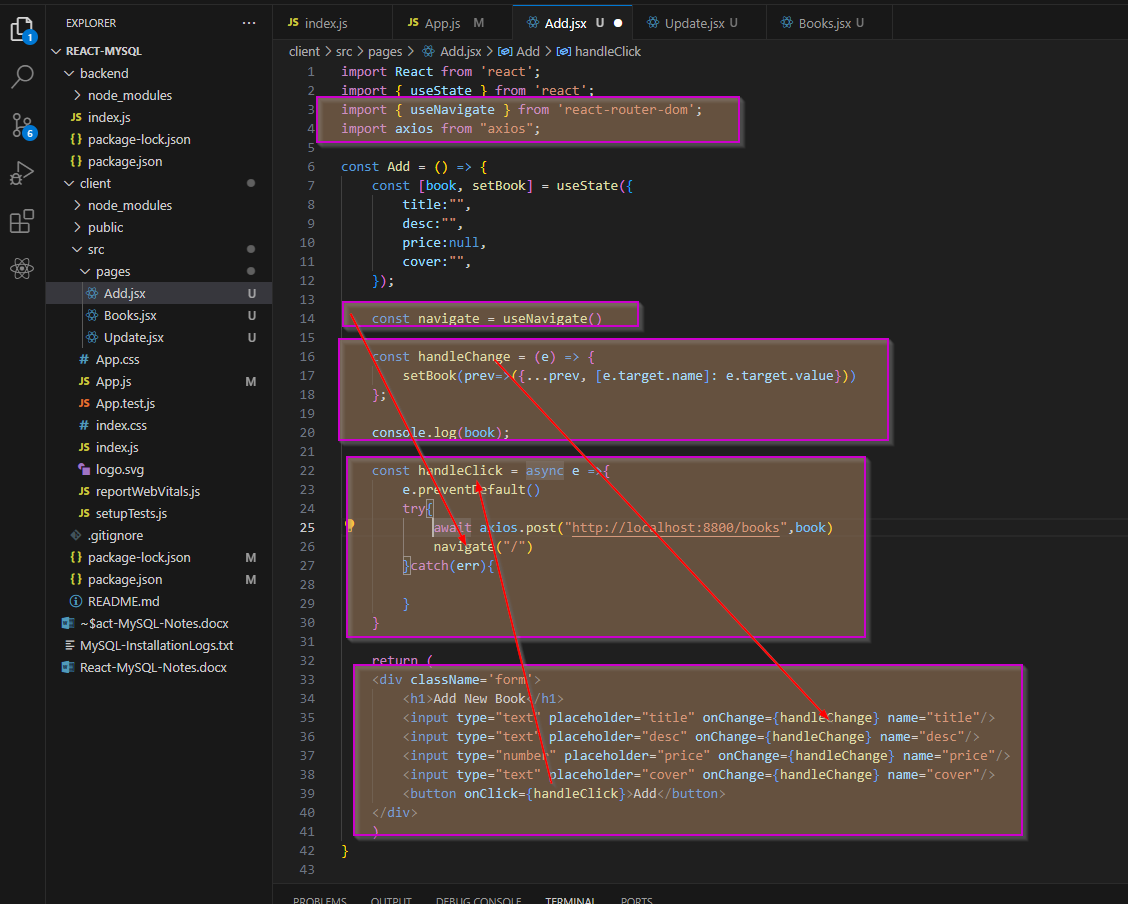


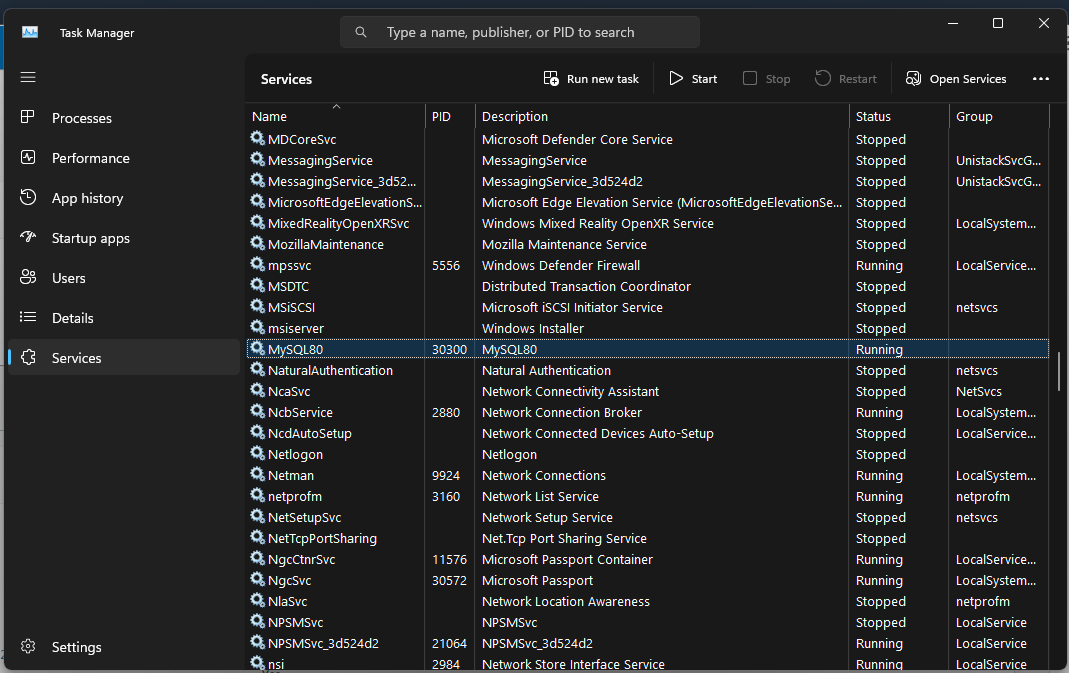










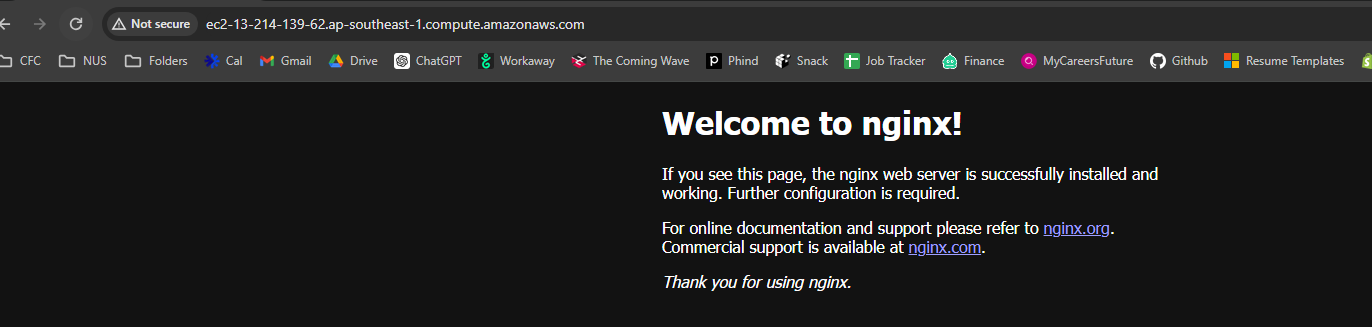


Need to make sure that MySQL80 service is running on localhost

# Deploy onto EC2 instance (without RDS)

<https://towardsdev.com/deploying-a-react-node-mysql-app-to-aws-ec2-2022-1dfc98496acf>

1. Create EC2 instance with Ubuntu OS
   1. SSH into the EC2 instance
   2. Sudo apt update
   3. Sudo apt install git
2. Sudo apt install nginx
   1. Verify if nginx is installed, using http to the AWS EC2 IPv4 DNS address



1. Curl -s <https://deb.nodesourcce.com/setup_21.x> | sudo bash
   1. Sudo apt install nodejs -y
2. Clone the git repository
   1. git clone xxxx
   2. cd webappdemo/client   
      sudo npm install  
      sudo npm run build
   3. cd ../backend/ && sudo npm install
3. Push changes to the git repository
   1. Make sure that node\_modules or other unnecessary files are excluded in .gitignore file
   2. Make sure the remote repository is correct
      1. git status
      2. git branch
   3. Add, commit and push changes
      1. Git add.
      2. Git commit -m “xxxx”
      3. git push origin main
4. Setup nginx to point to our newly build react app
   1. cp -R /home/ubuntu/webappdemo/client/build /var/www
   2. sudo vim /etc/nginx/sites-available/default
      1. server {  
          listen 80 default\_server;  
          listen [::]:80 default\_server; # We want the root folder to point at index.html  
          root /var/www/build;  
          index index.html index.htm index.nginx-debian.html;  
           
          server\_name \_;  
           
          location / {  
          # First attempt to serve request as file, then  
          # as directory, then fall back to displaying a 404.  
          try\_files $uri /index.html $uri/ =404;  
          }  
            
          location /api {  
          proxy\_pass http://localhost:8081;  
          }  
         }
5. Install pm2
   1. npm install pm2 -g
   2. pm2 start index.js
   3. pm2 status