Hosting PHP & MySQL

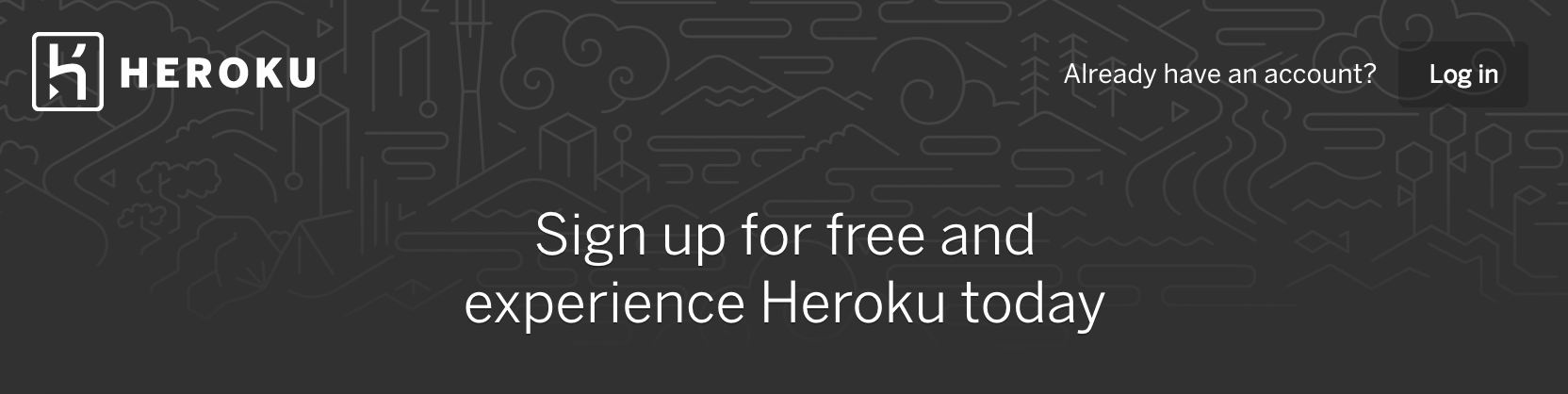
Apps in Heroku

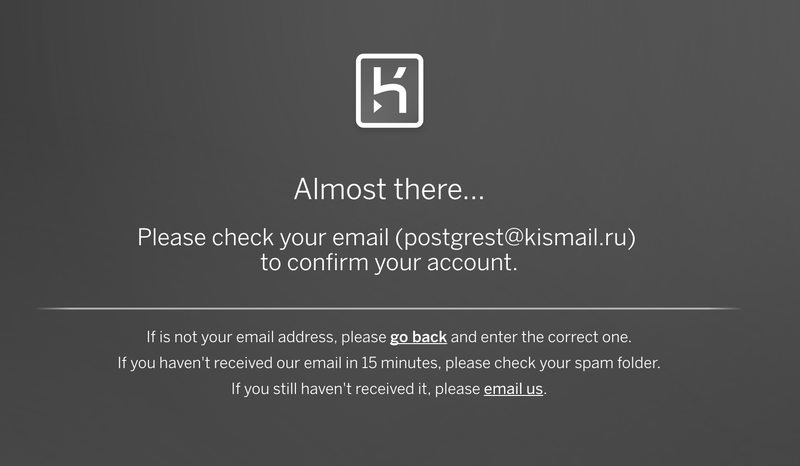
## What is Heroku?

Heroku is a cloud platform that lets companies build, deliver, monitor and scale apps — we're the fastest way to go from idea to URL, bypassing all those infrastructure headaches.

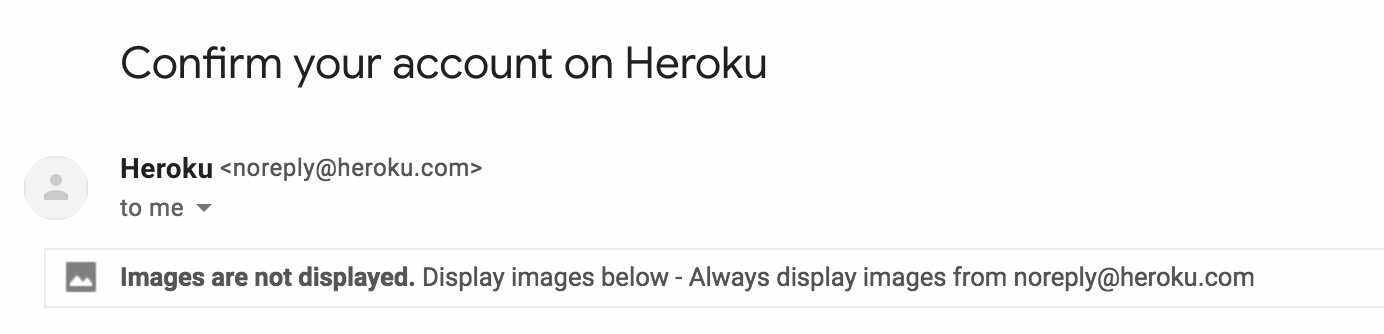
## Create an Account

* 1. Sign-up here: <https://signup.heroku.com/dc>





* 1. Check your email to confirm your account.



## Install Heroku CLI on your local machine

The Heroku **Command Line Interface (CLI)** makes it easy to create and manage your Heroku apps directly from the terminal. It’s an essential part of using Heroku.

The Heroku CLI requires **Git**, the popular version control system. If you don’t have Git installed, please have it installed first in your machine.

* 1. **macOS** - You can download [installer](https://cli-assets.heroku.com/heroku.pkg) here or install it using homebrew.

|  |
| --- |
| $ brew install heroku/brew/heroku |

* 1. **Windows OS** - Download the appropriate installer for your Windows installation: [[64-bit]](https://cli-assets.heroku.com/heroku-x64.exe) | [[32-bit]](https://cli-assets.heroku.com/heroku-x86.exe)

For Ubuntu and other Linux OS, install [snap](https://snapcraft.io/) first before running the commands below.

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*NOTE: Check if snap is already installed in your machine by issuing the command:*

|  |
| --- |
| $ snap --version |

*If snap is already installed, check if the Heroku CLI is installed by typing:*

|  |
| --- |
| $ heroku |

*If Heroku CLI is already installed, skip to* ***IV. Logging in to Heroku.*** *Otherwise, continue with the step D using admin privileges.*

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* 1. **Ubuntu 16+**

|  |
| --- |
| $ sudo snap install heroku --classic |

* 1. **Linux Mint** - As mentioned earlier, Ubuntu and other Linux distros require *snap* to install Heroku CLI. Copy the code below to install **snap**.

|  |
| --- |
| $ sudo apt update  $ sudo apt install snapd |

* + 1. Next, install heroku cli using **snap**.

|  |
| --- |
| $ sudo snap install --classic heroku |

* + 1. After installing heroku cli, we need to copy it to **usr/bin** to make it global.

|  |
| --- |
| $ cd /snap/bin  $ sudo cp heroku /usr/bin/heroku |

## Logging in to Heroku

* 1. Once installed, the heroku commands can now be used in the CLI. Type the command below to login.

|  |
| --- |
| $ heroku login |

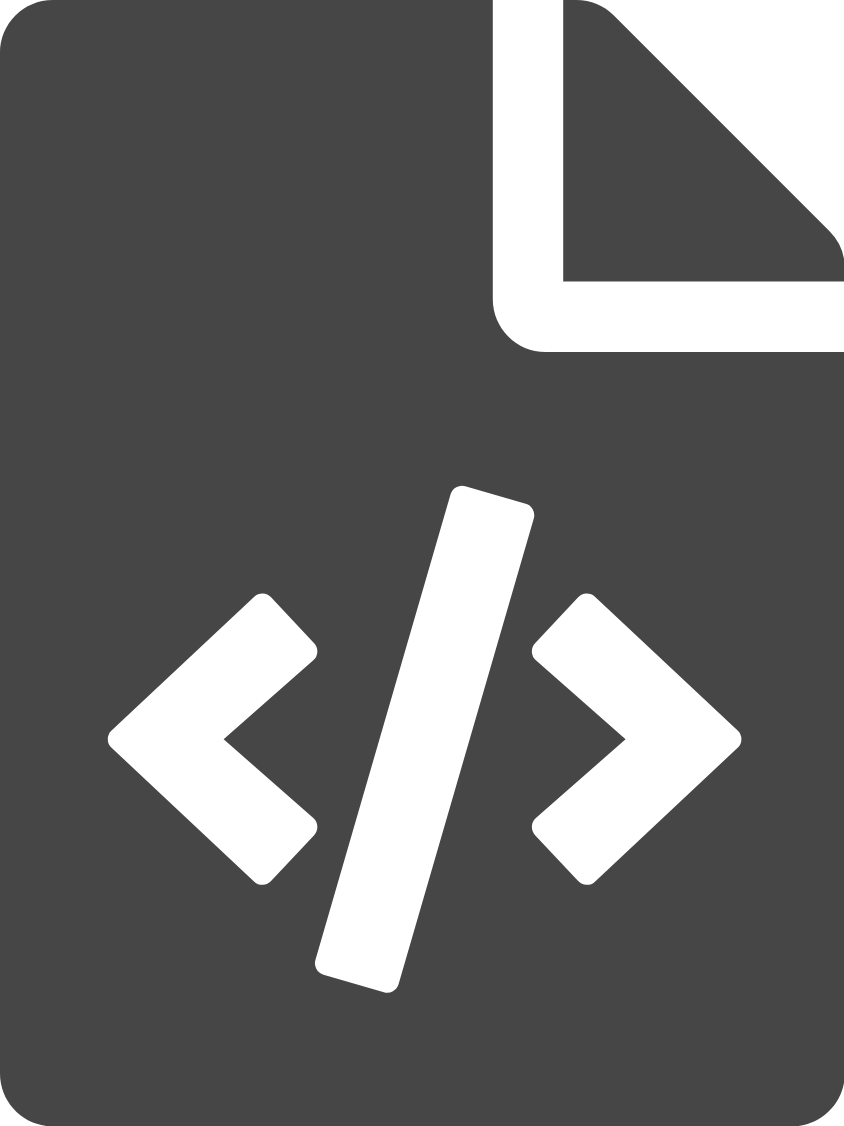
* 1. Log in using the email address and password you registered on heroku. Take note however that in some machines, the password does not appear in your screen when typing.

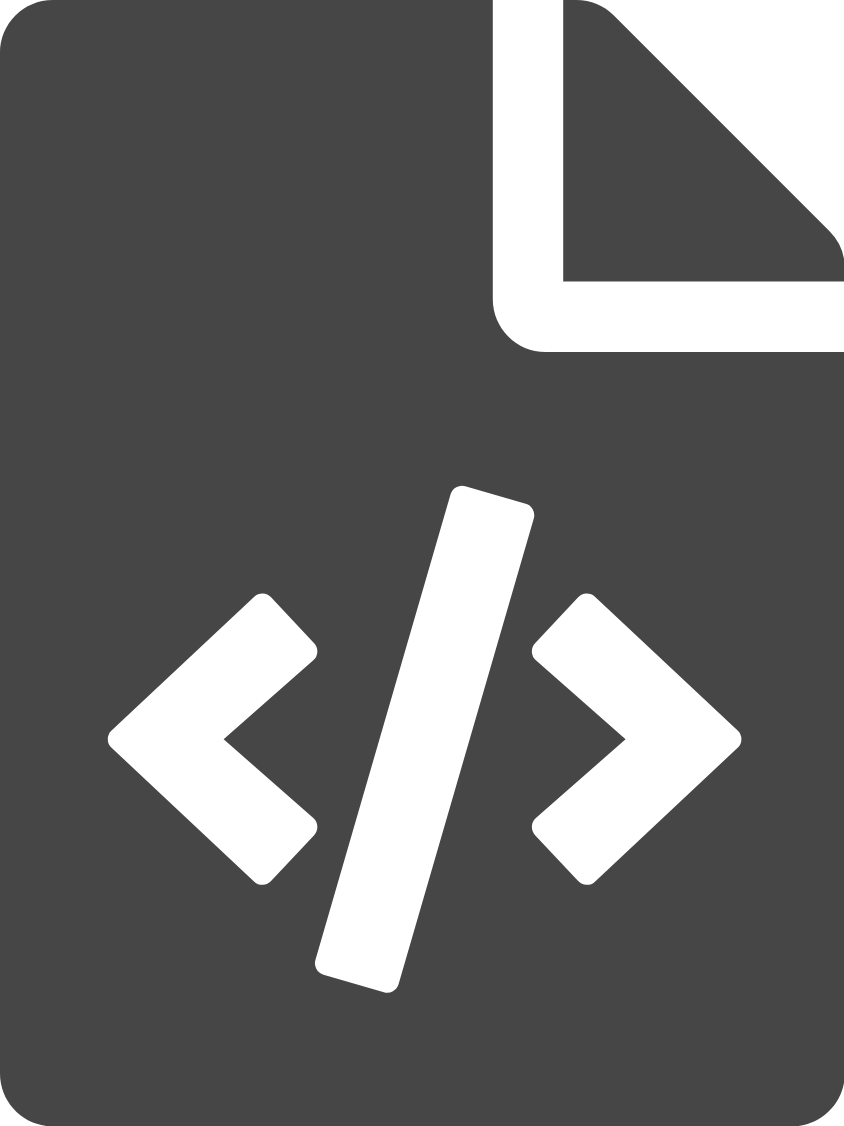
|  |
| --- |
| heroku: Enter your login credentials Email [alan.beraquit@tuitt.com]: alan.beraquit@tuitt.com Password: \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* Logged in as alan.beraquit@tuitt.com |

## Creating a new Project in Heroku

* 1. Using the terminal, create a new project inside of our **sandbox** folder with the following files and folders:

****demo12\_heroku

****index.php

****composer.json

* 1. Open index.php with sublime text and add the following code and save.

|  |
| --- |
| <!DOCTYPE html> <html lang="en"> <head>  <title>Sample Heroku App</title>  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/css/bootstrap.min.css">  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.3.1/jquery.min.js"></script>  <script src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.3/umd/popper.min.js"></script>  <script src="https://maxcdn.bootstrapcdn.com/bootstrap/4.1.3/js/bootstrap.min.js"></script> </head> <body> <div class="container">  <div class="row">  <div class="col-sm-12">  <h3>Sample Heroku App</h3><hr>  <?php   echo "<p>This is a sample php application on Heroku</p>";  ?>  </div>  </div> </div> </body> </html> |
|  |

* 1. Before we can deploy, we need to establish a git repository in our directory. (demo12\_heroku) Heroku requires a git repository to work its magic during the deployment process.

|  |
| --- |
| $ git init |

* 1. Add the files

|  |
| --- |
| $ git add . |

* 1. Commit the changes.

|  |
| --- |
| $ git commit -m "added index file" |

* 1. Create a new project in Heroku

|  |
| --- |
| $ heroku create |

## Deploying in Heroku

* 1. To deploy the application we simply run a “git push” command, pushing the files up to Heroku.

|  |
| --- |
| $ git push heroku master |

* 1. Heroku automatically detects that we’re deploying a PHP application and sets up the environment appropriately. You can copy your apps URL and take a look at it in the browser.

This is the URL of your heroku app. The URL that has .herokuapp.com at the end.

Example: [https://fast-bastion-31737.**herokuapp.com**](https://fast-bastion-31737.herokuapp.com)

## Adding a Database in our Heroku App

* 1. Create an account here: <https://db4free.net/>



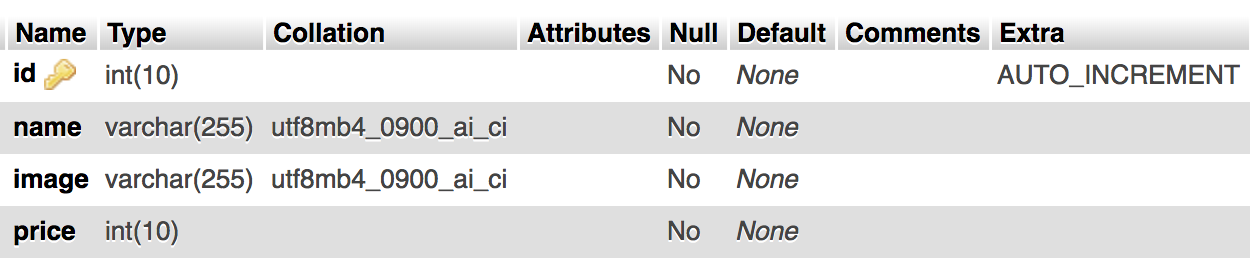
* 1. Check your email for account confirmation
  2. Login to: <https://db4free.net/>
  3. Create a database with the following credentials

Example: (DO NOT COPY)

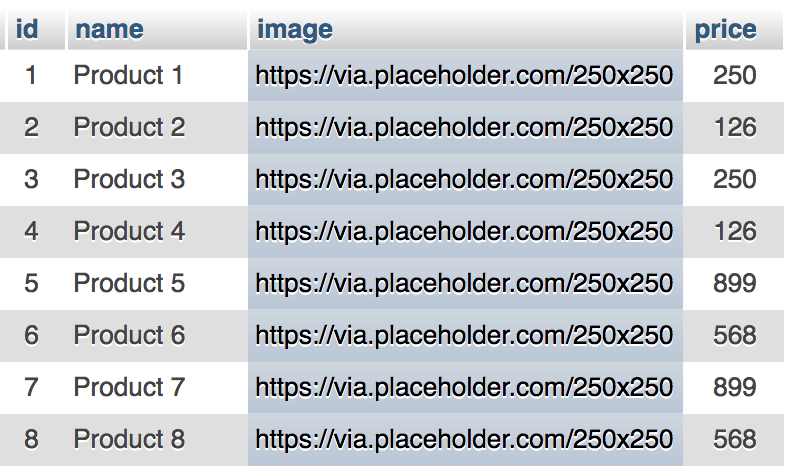
* + 1. Username: tuitt\_user
    2. Password: tuitt\_password
    3. Database: tuitt\_database

*Kindly create your own credentials but please make sure to write them somewhere or take a picture of it!*

* 1. Using phpmyadmin, create a new table called demo\_items inside of the database you created with the following columns.



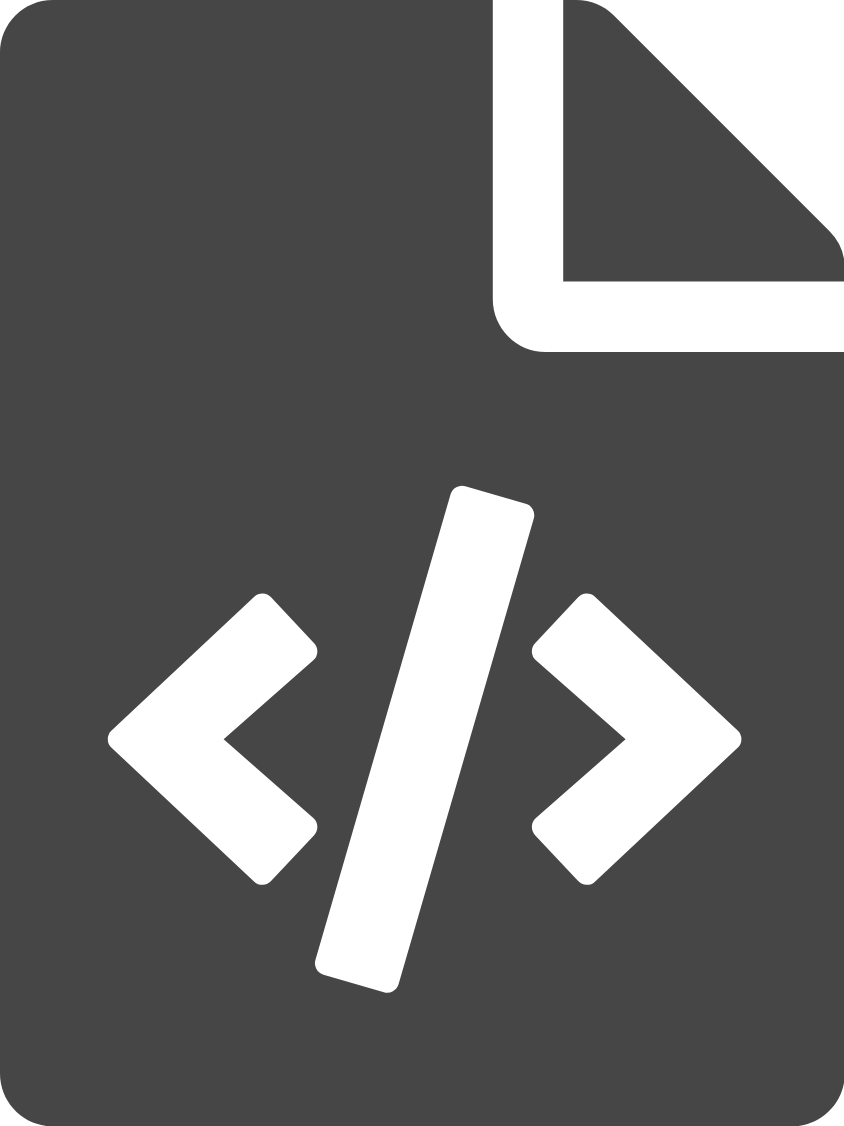
* 1. Add the following records:

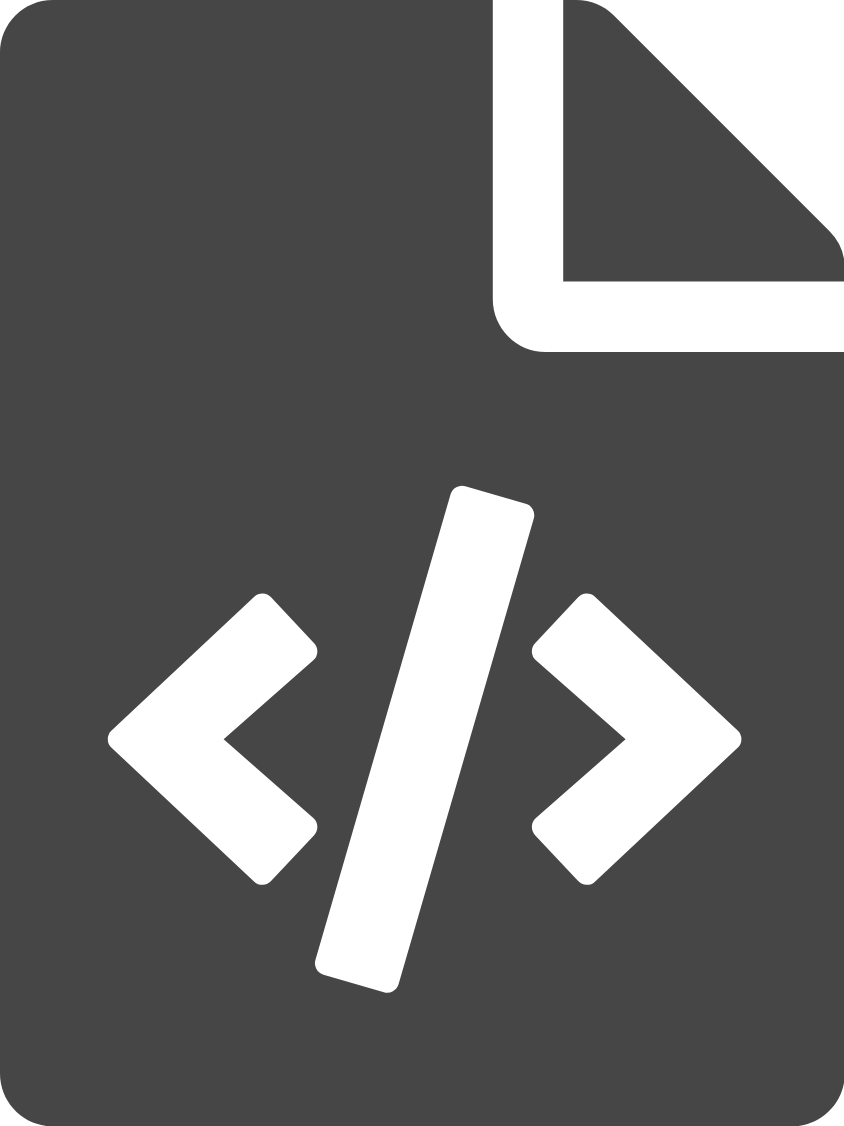


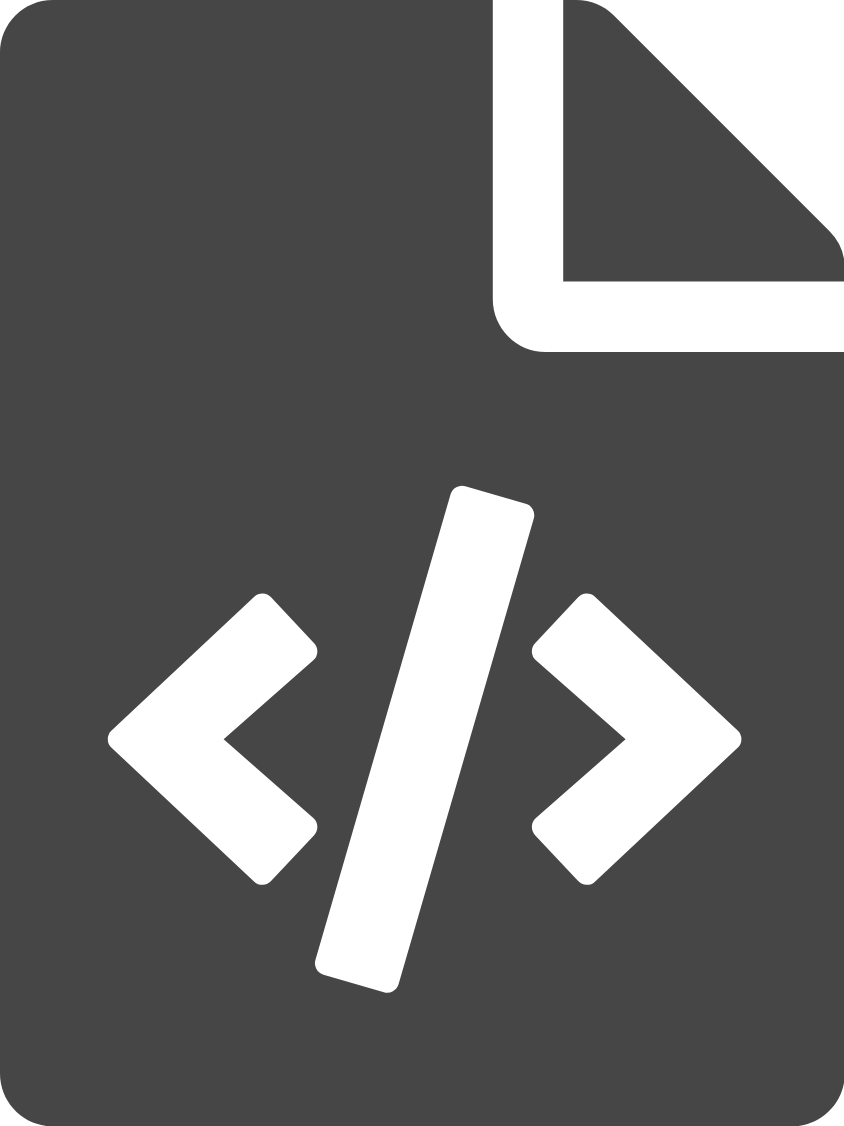
## Connecting the Database to our Heroku App.

* 1. Using the terminal, create a new file called connect.php.

****demo12\_heroku

****index.php

****composer.json

****connect.php

* 1. Add the following inside connect.php.

|  |
| --- |
| <!-- Database Connection Details --> <?php   $host = "[db4free.net](http://www.db4free.net)"; //Please use this as host  $db\_username = "tuitt\_user";  $db\_password = "tuitt\_password";  $db\_name = "tuitt\_database";   //Create connection  $conn = mysqli\_connect($host, $db\_username, $db\_password, $db\_name);   //Check connection  if(!$conn){  die("Connection failed: ". mysqli\_error($conn));  }  else{  echo "connected";  } ?> |

* 1. Include it on top of index.php.

|  |
| --- |
| <?php include "connect.php"; ?>  <!DOCTYPE html> <html lang="en"> <head>  <title>Sample Heroku App</title>  <meta charset="utf-8">  <meta name="viewport" content="width=device-width, initial-scale=1">  <link rel="stylesheet" |
|  |

* 1. Update index.php (Loop through the table called demo\_items and display it in your page).

|  |
| --- |
| <div class="row"> <?php    $sql = "SELECT \* FROM demo\_items";  $result = mysqli\_query($conn,$sql);   if(mysqli\_num\_rows($result) > 0){  while($row = mysqli\_fetch\_assoc($result)){  echo "  <div class='col-md-3 mb-3'>   <div class='card h-100'>  <img src='$row[image]'>  <div class='card-body'>  <h4 class='card-title'>$row[name]</h4>  <h5>₱ $row[price]</h5>  </div>  </div>  </div>";  }  }  ?> </div> |