

2023

Web Application Development

Assignment 2: Bootstrap JQuery NodeJS

A blurred background image showing various lines of code in different colors (blue, green, yellow, orange) on a dark background, typical of a code editor. The word 'Javascript' is overlaid in a large, white, serif font.

Javascript

Web Application Development
- IT22023

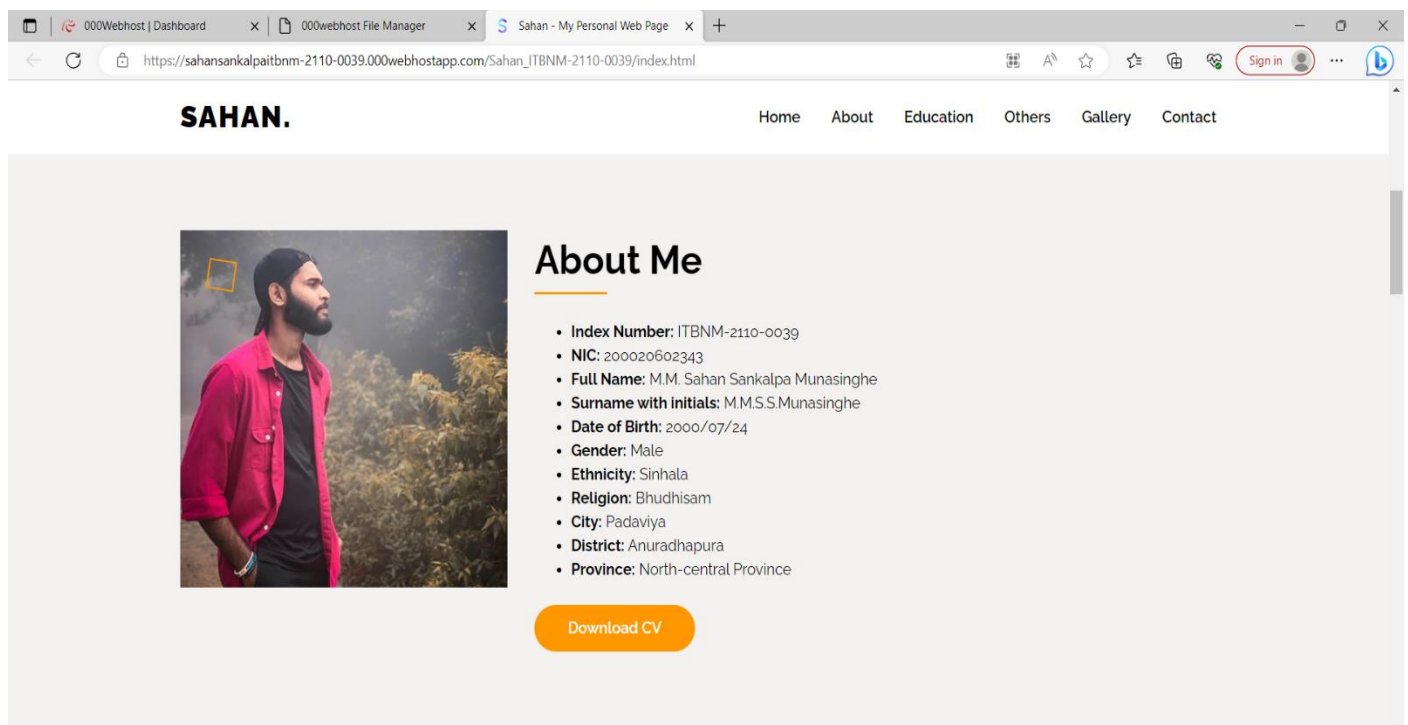
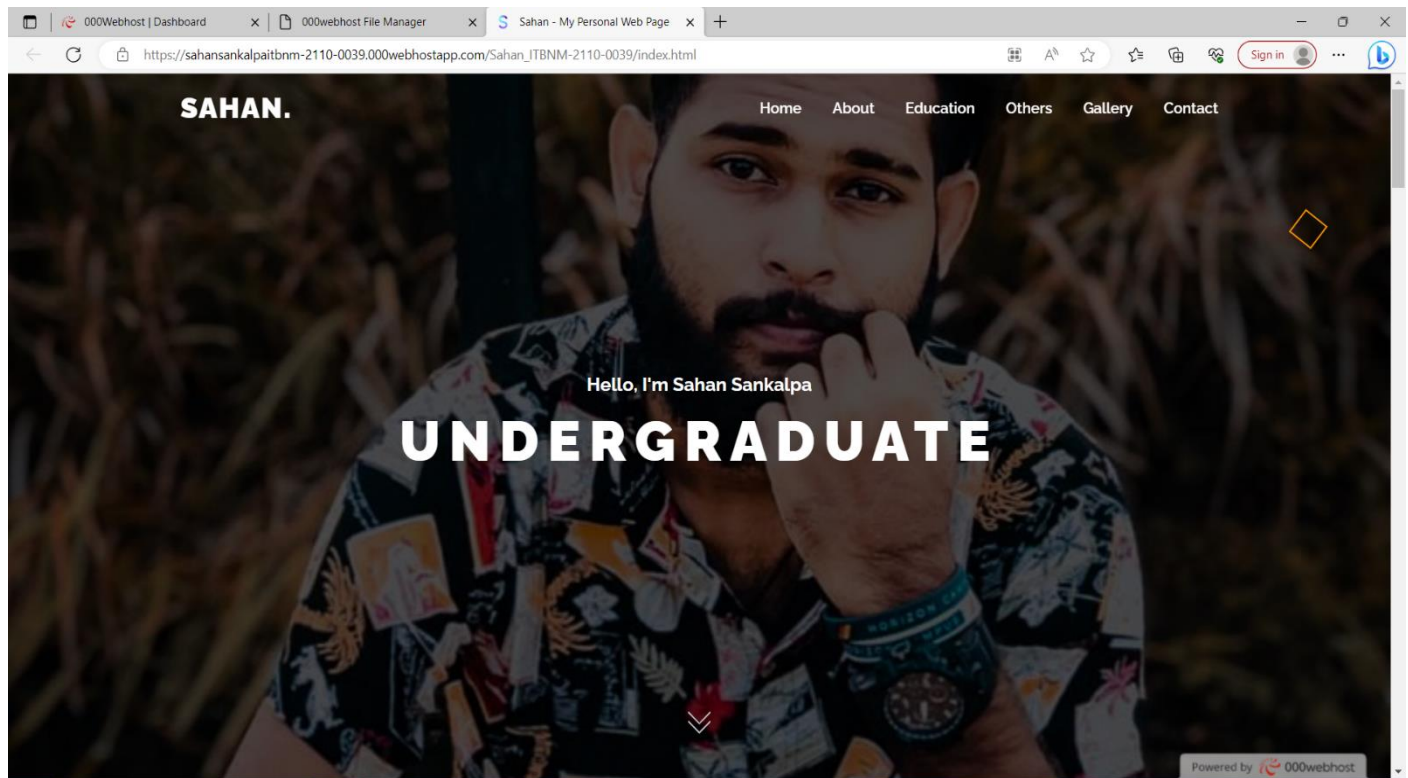
M.M. Sahan Sankalpa Munasinghe,
ITBNM-2110-0039,
Faculty of IT,
2023/05/28.

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Task1: Create a personal web page about yourself.

- ✚ Create a personal web page about yourself. For your webpage, it would be advisable to use the HTML, CSS, JavaScript, JQuery, and Bootstrap design framework. The information that you must include is listed below.



000Webhost | Dashboard x 000webhost File Manager x Sahan - My Personal Web Page x +

https://sahansankalpaitbnm-2110-0039.000webhostapp.com/Sahan_ITBNM-2110-0039/index.html

Sign in

SAHAN. Home About Education Others Gallery Contact

Educational Qualification

A/L Stream:	Commerce
Subjects and Grades:	<ul style="list-style-type: none">Economics- BBusiness Studies- CAccounting- C
Z-Score:	0.7156
School attended:	A/Buddhangala Central Collage
Certificates and Diplomas:	<ul style="list-style-type: none">Diploma In EnglishDiploma In IT

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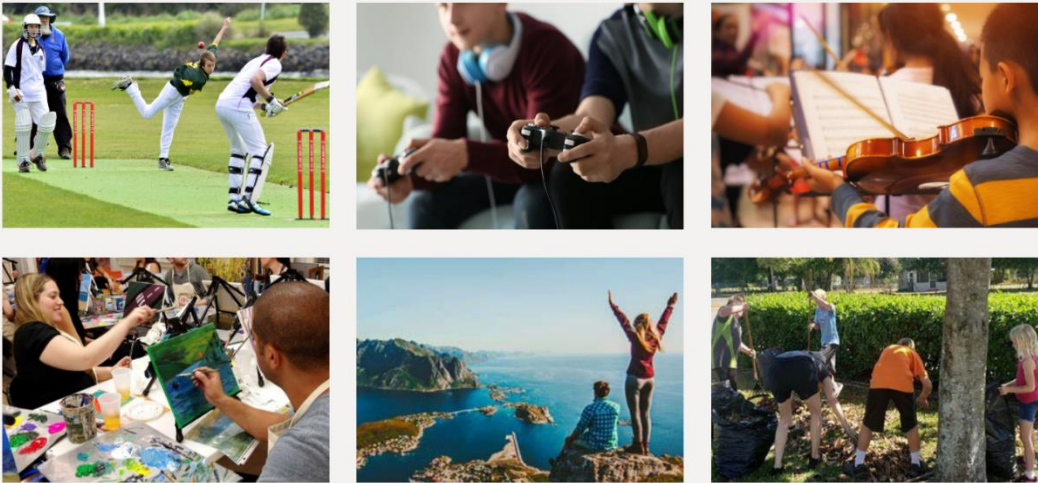
000Webhost | Dashboard x 000webhost File Manager x Sahan - My Personal Web Page x +

https://sahansankalpaitbnm-2110-0039.000webhostapp.com/Sahan_ITBNM-2110-0039/index.html

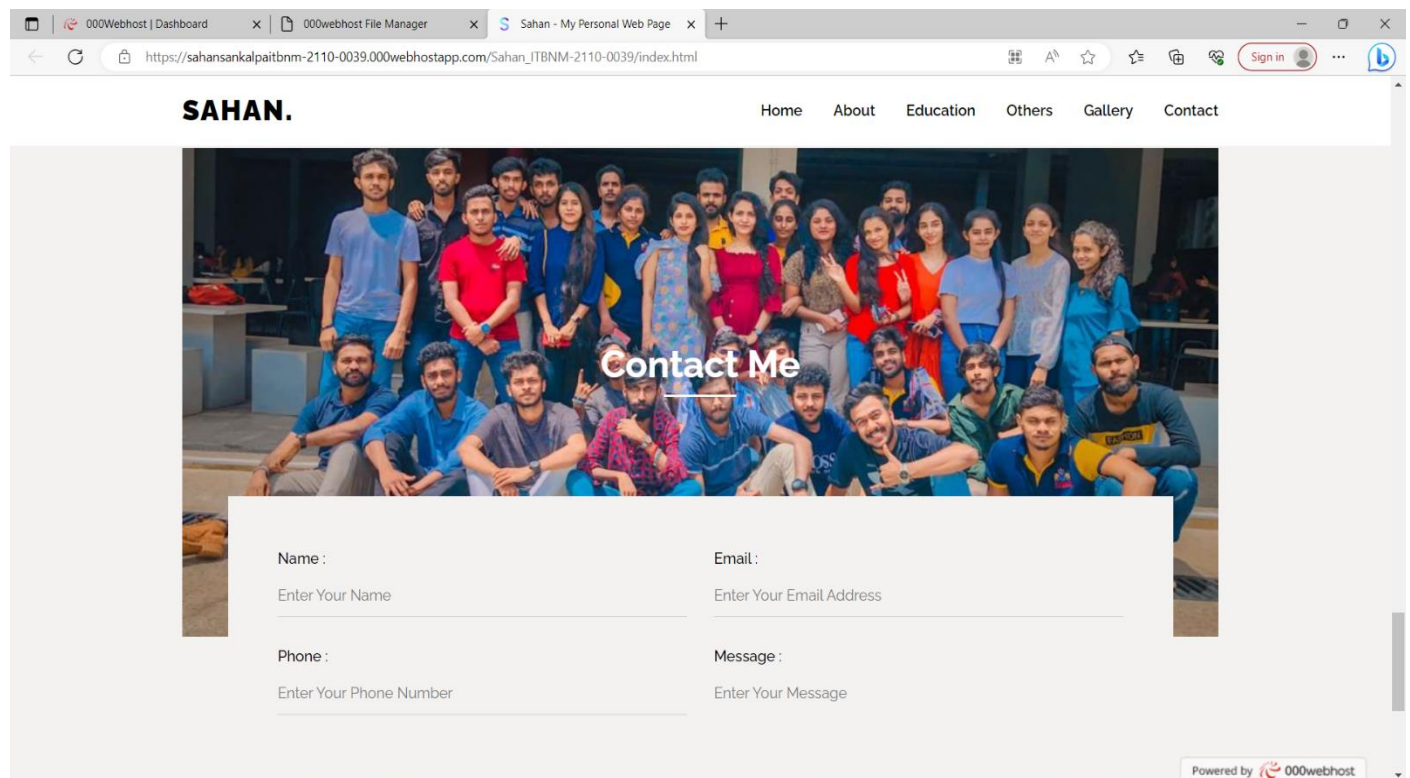
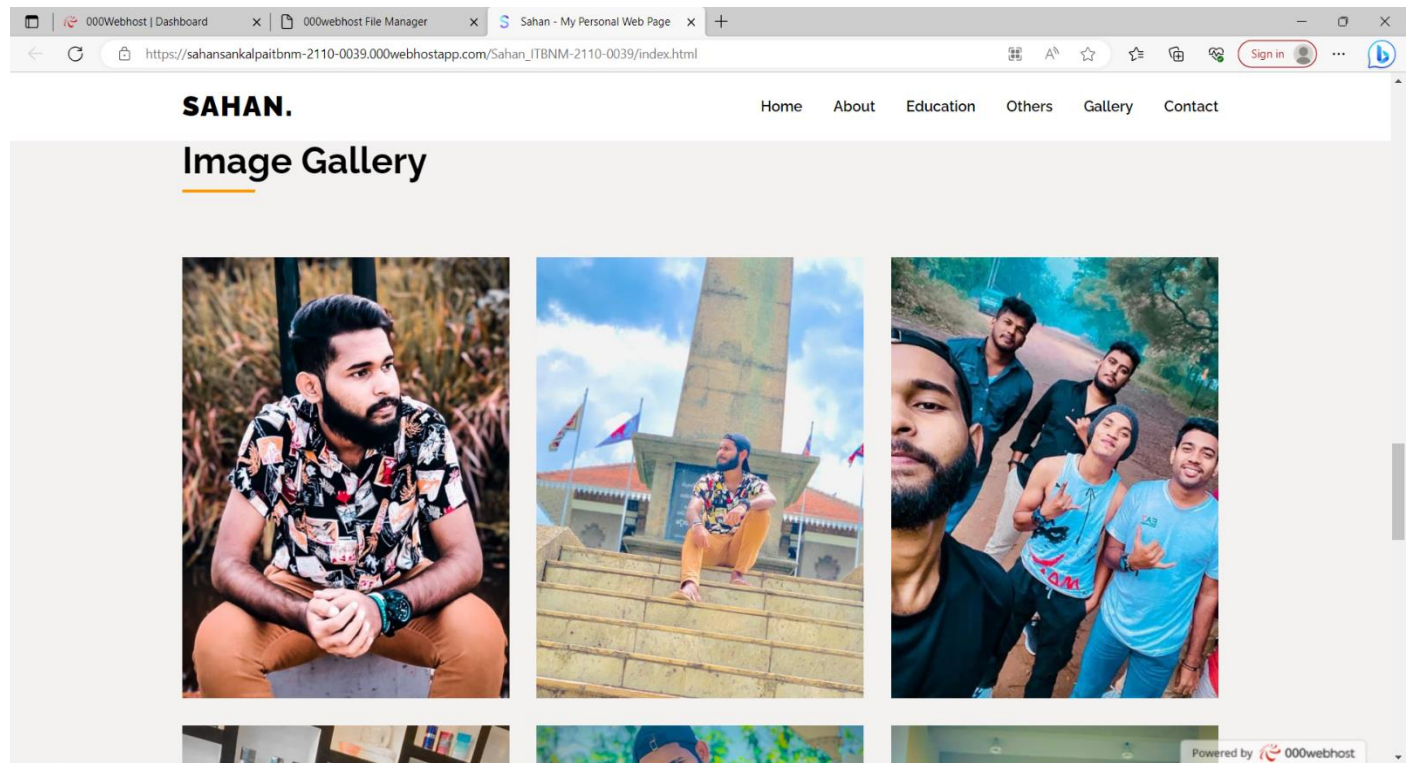
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Extra Curriculum Activities



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Task2: Consider following the form.**Using JQuery, write codes to validate the following fields.**

- Full Name - alpha and space characters only
- Index Number - Validate index number according to your index no format
- NIC - Validate new or old inc
- Upload an Image - Validate an image extension - jpg, jpeg, png, gif
- Email - Validate Email address
- Mobile Number - Check Mobile Number - Start from 07 and others 8 integers
- Date of Birth - Validate Age ≥ 18
- Z-Score - Only floating number

Personal Data

Full Name	Sahan Sankalpa Munasinghe
Index Number	ITBNM-2110-0039
NIC Number	200020602343
Upload Image	Choose File WhatsApp Image 2023-06-12 at 03.10.27.jpeg
Email	sahansankalpamnaweera@gmail.com
Mobile Number	0704234486
Date of Birth	07/24/0001
Z-Score	0.913

Register Clear

This page says

Invalid Index Number

OK

Full Name

Index Number

NIC Number

Upload Image

Email

Mobile Number

Date of Birth

Z-Score

Register Clear

Personal Data Form

File | C:/xampp/htdocs/Assignment-WAD-ITBNM-2110-0039/Task2.html

Sign in

This page says
Invalid NIC Number

Full Name

Index Number

NIC Number

Upload Image Choose File WhatsApp Image 2023-06-12 at 03.10.27.jpeg

Email sahansankalpamnaweera@gmail.com

Mobile Number 0704234486

Date of Birth 02/07/0001

Z-Score 0.913

Register Clear

Personal Data Form

File | C:/xampp/htdocs/Assignment-WAD-ITBNM-2110-0039/Task2.html

Sign in

This page says
Invalid Image Extension

Full Name

Index Number

NIC Number

Upload Image Choose File Q2.html

Email sahansankalpamnaweera@gmail.com

Mobile Number 0704234486

Date of Birth 07/24/0001

Z-Score 0.913

Register Clear

Personal Data Form

File | C:/xampp/htdocs/Assignment-WAD-ITBNM-2110-0039/Task2.html

Personal Data

Full Name	Sahan Sankalpa
Index Number	ITBNM-2110-0039
NIC Number	200020602343
Upload Image	Choose File WhatsApp Image 2023-06-12 at 03.10.27.jpeg
Email	sahansankalpamaweera
Mobile Number	
Date of Birth	07/24/0001
Z-Score	0.913

Register Clear

Please include an '@' in the email address. 'sahansankalpamaweera' is missing an '@'.

Personal Data Form

File | C:/xampp/htdocs/Assignment-WAD-ITBNM-2110-0039/Task2.html

This page says

Invalid Mobile Number

OK

Full Name	
Index Number	
NIC Number	200020602343
Upload Image	Choose File WhatsApp Image 2023-06-12 at 03.10.27.jpeg
Email	sahansankalpamaweera@gmail.com
Mobile Number	07042344
Date of Birth	07/24/0001
Z-Score	0.913

Register Clear

Personal Data Form

File | C:/xampp/htdocs/Assignment-WAD-ITBNM-2110-0039/Task2.html

Sign in

This page says
Invalid Date of Birth (Age must be 18 or above)

Full Name

Index Number

NIC Number

Upload Image WhatsApp Image 2023-06-12 at 03.09.18.jpeg

Email

Mobile Number

Date of Birth

Z-Score

Personal Data Form

File | C:/xampp/htdocs/Assignment-WAD-ITBNM-2110-0039/Task2.html

Sign in

This page says
Invalid Z-Score

Full Name

Index Number

NIC Number

Upload Image WhatsApp Image 2023-06-12 at 03.09.18.jpeg

Email

Mobile Number

Date of Birth

Z-Score

Task3: Connecting to the MySQL Database Server from Node.js.

- Create a database named “yourindexnumber” eg: ITBNM-2110-0001
- Create a table named “players”

Table players fields

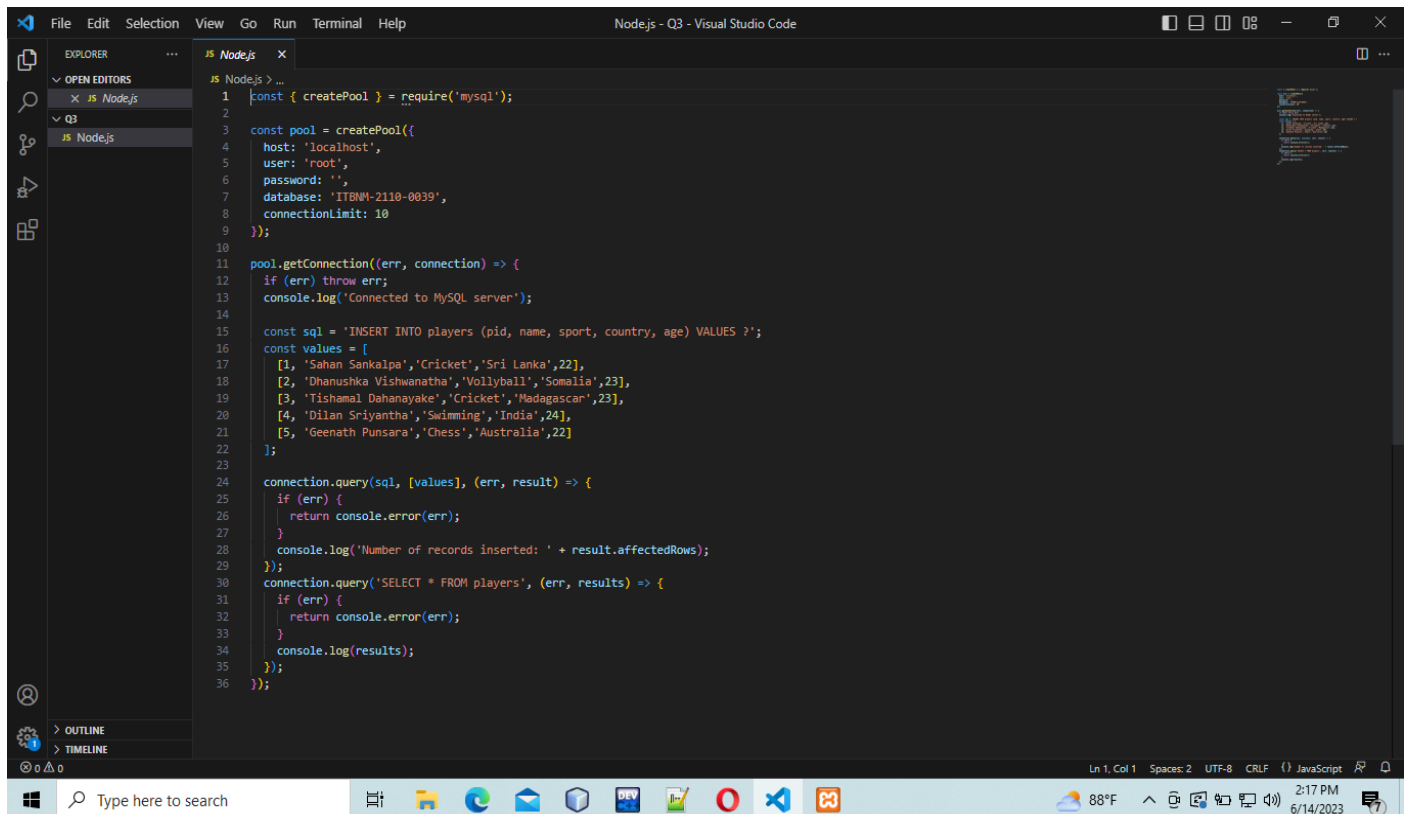
pid int, primary key, auto increment
name varchar (255)
sport varchar (255)
country varchar (255)
age int

- Insert multiple records (at least 5) into “players” table.
- Select all records from “players” tables.

The screenshot shows the phpMyAdmin interface for a MySQL database. The browser address bar indicates the URL is localhost/phpmyadmin/index.php. The interface shows the 'Database: itbnm-2110-0039' and 'Table: players'. A message at the top states 'Showing rows 0 - 4 (5 total, Query took 0.0008 seconds.)'. Below this, the SQL query 'SELECT * FROM `players`' is entered. The table structure is displayed with columns: pid, name, sport, country, and age. The table contains 5 records:

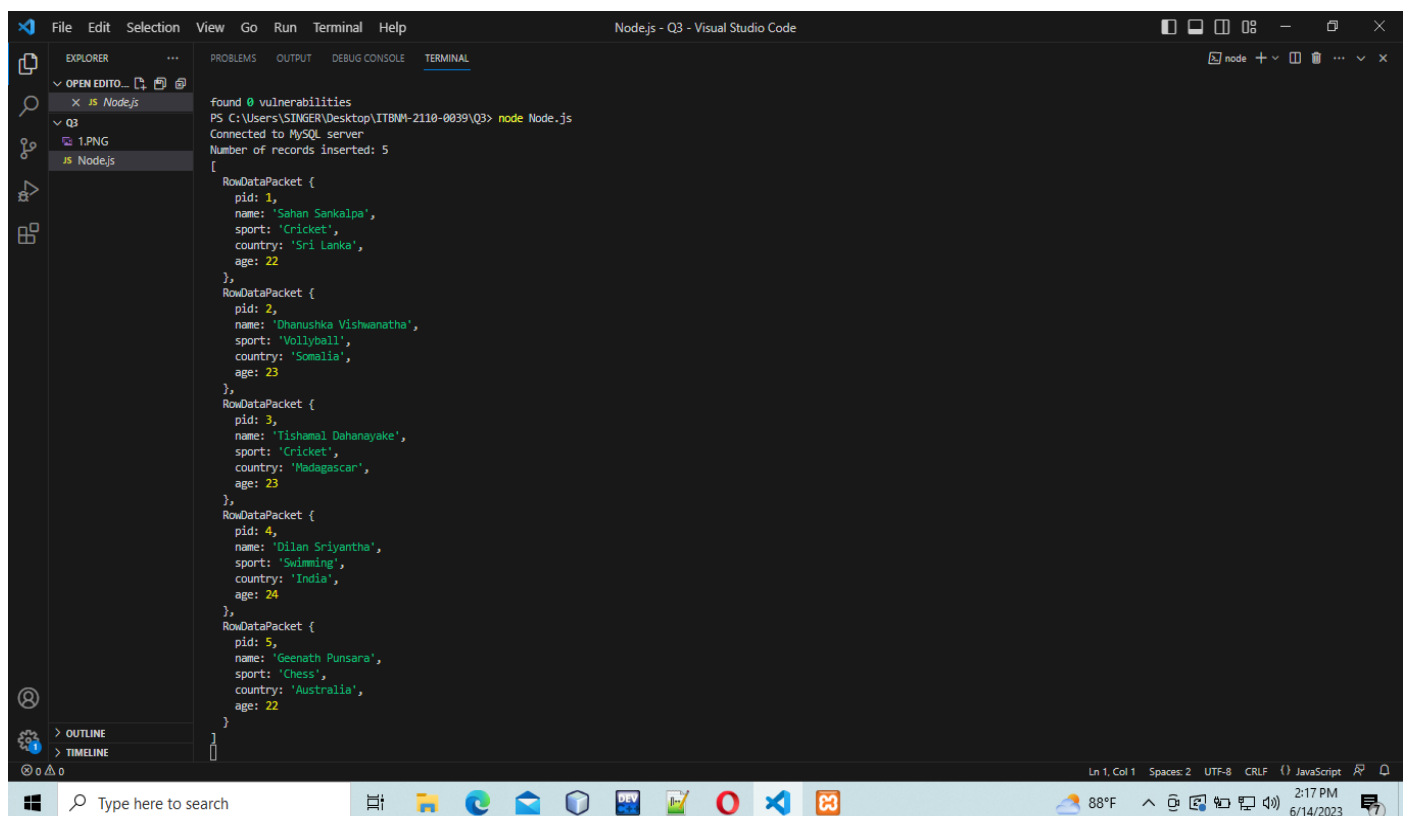
pid	name	sport	country	age
1	Sahan Sankalpa	Cricket	Sri Lanka	22
2	Dhanushka Vishwanatha	Volleyball	Somalia	23
3	Tishamal Dahanayake	Cricket	Madagascar	23
4	Dilan Sriyantha	Swimming	India	24
5	Geenath Punsara	Chess	Australia	22

The interface also shows options for 'Show all', 'Number of rows: 25', 'Filter rows: Search this table', and 'Sort by key: None'. At the bottom, there are links for 'Query results operations' including Print, Copy to clipboard, Export, Display chart, and Create view.



```
1 const { createPool } = require('mysql');
2
3 const pool = createPool({
4   host: 'localhost',
5   user: 'root',
6   password: '',
7   database: 'ITBNM-2110-0039',
8   connectionLimit: 10
9 });
10
11 pool.getConnection((err, connection) => {
12   if (err) throw err;
13   console.log('Connected to MySQL server');
14
15   const sql = 'INSERT INTO players (pid, name, sport, country, age) VALUES ?';
16   const values = [
17     ['Sahan Sankalpa', 'Cricket', 'Sri Lanka', 22],
18     ['Dhanushka Vishwanatha', 'Vollyball', 'Somalia', 23],
19     ['Tishamal Dahanayake', 'Cricket', 'Madagascar', 23],
20     ['Dilan Sriyantha', 'Swimming', 'India', 24],
21     ['Geenath Punsara', 'Chess', 'Australia', 22]
22   ];
23
24   connection.query(sql, [values], (err, result) => {
25     if (err) {
26       return console.error(err);
27     }
28     console.log('Number of records inserted: ' + result.affectedRows);
29   });
30   connection.query('SELECT * FROM players', (err, results) => {
31     if (err) {
32       return console.error(err);
33     }
34     console.log(results);
35   });
36 });
```

Type **node Nodejs** into the command to run the code.



```
found 0 vulnerabilities
PS C:\Users\SINGER\Desktop\ITBNM-2110-0039\Q3> node Nodejs
Connected to MySQL server
Number of records inserted: 5
[
  RowDataPacket {
    pid: 1,
    name: 'Sahan Sankalpa',
    sport: 'Cricket',
    country: 'Sri Lanka',
    age: 22
  },
  RowDataPacket {
    pid: 2,
    name: 'Dhanushka Vishwanatha',
    sport: 'Vollyball',
    country: 'Somalia',
    age: 23
  },
  RowDataPacket {
    pid: 3,
    name: 'Tishamal Dahanayake',
    sport: 'Cricket',
    country: 'Madagascar',
    age: 23
  },
  RowDataPacket {
    pid: 4,
    name: 'Dilan Sriyantha',
    sport: 'Swimming',
    country: 'India',
    age: 24
  },
  RowDataPacket {
    pid: 5,
    name: 'Geenath Punsara',
    sport: 'Chess',
    country: 'Australia',
    age: 22
  }
]
```