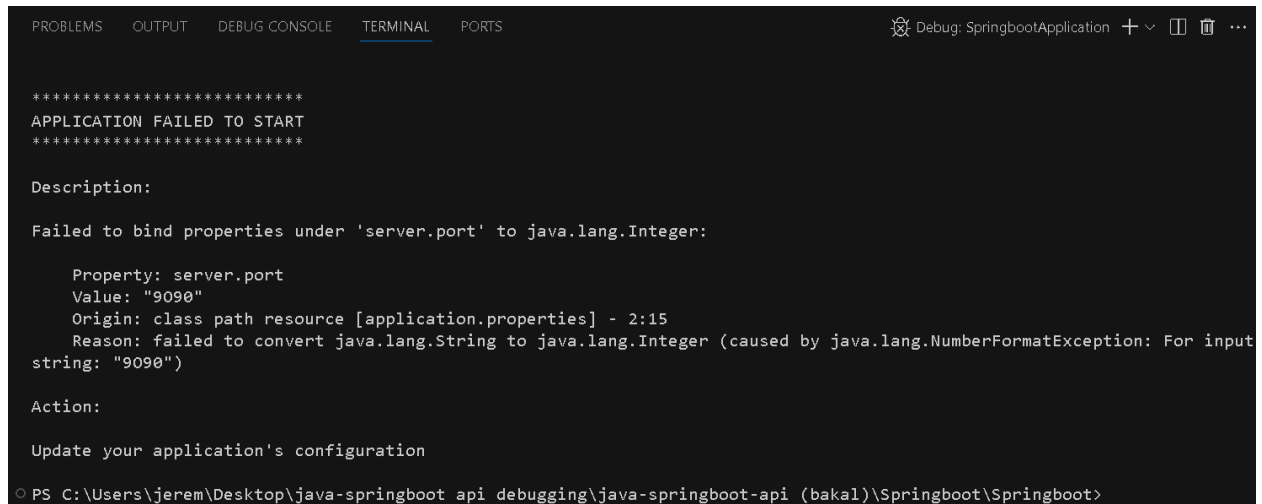


DEBUGGING ASSESSMENT (JAVA+SPRINGBOOT)

Task 1

Run the program and observe what happens.



The screenshot shows an IDE terminal window with the 'TERMINAL' tab selected. The title bar indicates 'Debug: SpringbootApplication'. The terminal output shows an application failure with the following details:

```
*****
APPLICATION FAILED TO START
*****

Description:

Failed to bind properties under 'server.port' to java.lang.Integer:

    Property: server.port
    Value: "9090"
    Origin: class path resource [application.properties] - 2:15
    Reason: failed to convert java.lang.String to java.lang.Integer (caused by java.lang.NumberFormatException: For input string: "9090")


Action:

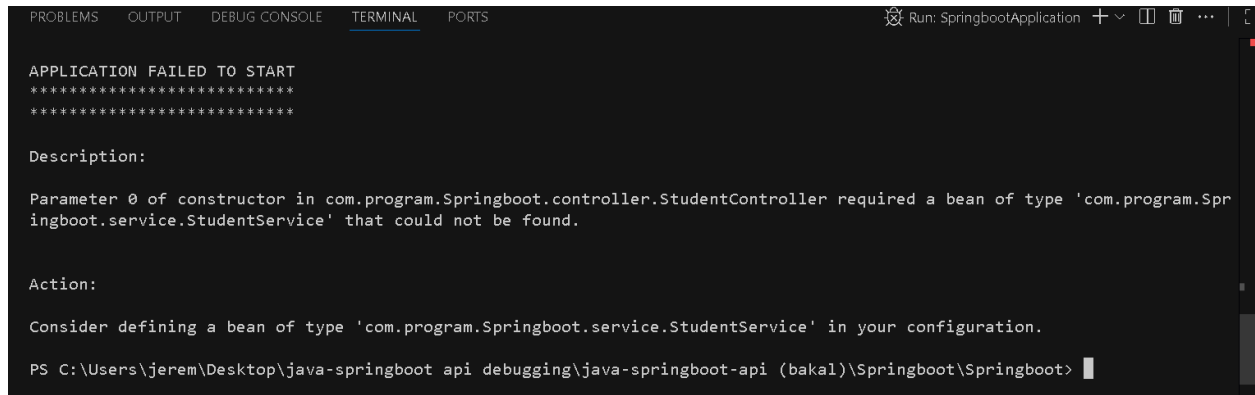
Update your application's configuration

PS C:\Users\jerem\Desktop\java-springboot api debugging\java-springboot-api (bakal)\Springboot\Springboot>
```

Task 2 & Task 3

Fix the next two errors.

 *Hint: There are 2 issues you need to resolve here.*



The screenshot shows an IDE terminal window with the 'TERMINAL' tab selected. The title bar indicates 'Run: SpringbootApplication'. The terminal output shows an application failure with the following details:

```
APPLICATION FAILED TO START
*****
*****

Description:

Parameter 0 of constructor in com.program.Springboot.controller.StudentController required a bean of type 'com.program.Springboot.service.StudentService' that could not be found.

Action:

Consider defining a bean of type 'com.program.Springboot.service.StudentService' in your configuration.

PS C:\Users\jerem\Desktop\java-springboot api debugging\java-springboot-api (bakal)\Springboot\Springboot>
```

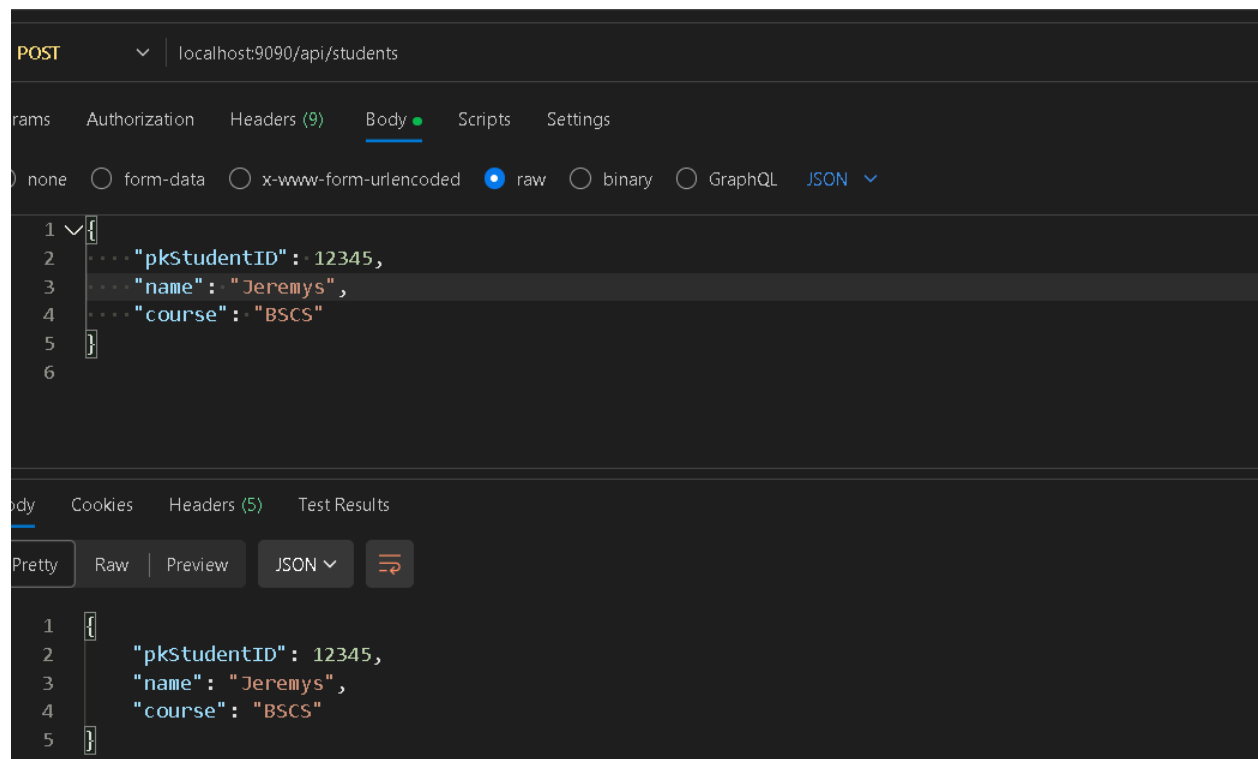
Task #4

Task 4

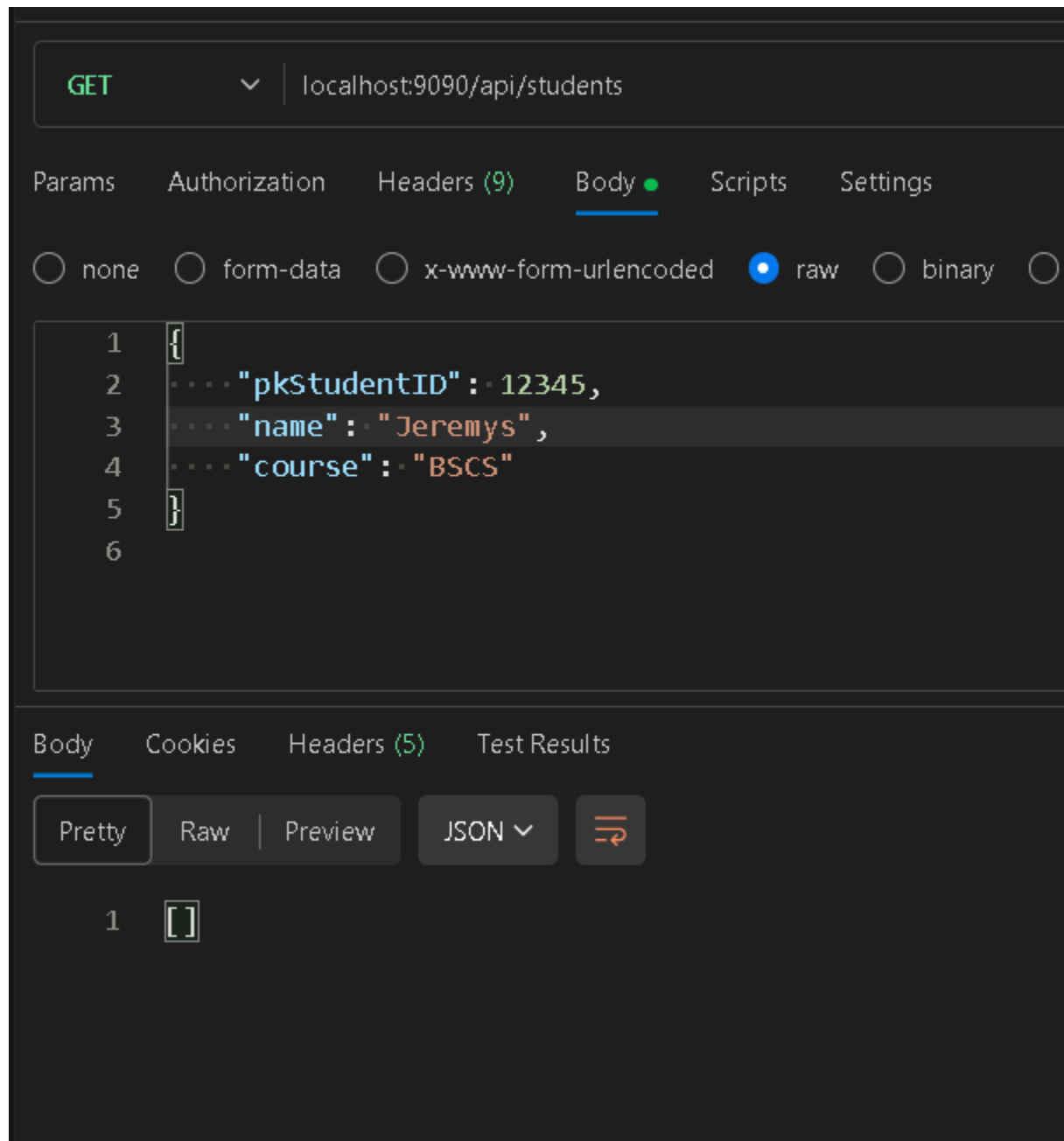
You are tasked to add a student into the HashMap.
When done correctly, adding this student:

```
{  
  "pkStudentID": 12345,  
  "name": "Jeremy",  
  "course": "BSCS"  
}
```

should display the same student data as output.



However, after that, when you try retrieving all students using the provided endpoint in the controller, the response will still appear empty.



But when you try retrieving all students using the given endpoint in the controller, the list will still appear empty — meaning the student was not actually stored successfully.

GET



localhost:9090/api/students

Params

Authorization

Headers (9)

Body

Scripts

Settings



none



form-data



x-www-form-urlencoded



raw



binary



GraphQL

JS

1

{

2

... "pkStudentID": 12345,

3

... "name": "Jeremys",

4

... "course": "BSCS"

5

}

Body

Cookies

Headers (5)

Test Results

Pretty

Raw

Preview

JSON



1

[

2

{

3

"pkStudentID": 12345,

4

"name": "Jeremys",

5

"course": "BSCS"

6

}

7

]

Task 5

Finally, you are asked to delete the existing student.

When you call the delete endpoint, it should return:

`true`

However, the current behavior is that even though the status code is `200 (OK)`, the response shows:

`false`

Your goal is to debug and fix the issue so that the deletion correctly returns `true`. Once this works, you're done with the debugging assessment.