**Assignment Title: Reading Data from a File in Groovy**

Objective: The objective of this assignment is to provide students with hands-on experience in reading data from a file using Groovy. Students will learn how to use Groovy's built-in File I/O capabilities to read data from a file and process it.

Instructions:

1. Introduce Groovy and explain why it is a good language for working with files.
2. Provide a sample data file that contains data in a specific format, such as CSV or JSON.
3. Ask students to write a Groovy script that reads the data from the file and processes it.
4. Provide a set of specific requirements for the script, such as the ability to handle file reading errors and process the data in a specific way.
5. Encourage students to test their scripts with different data files to ensure that they are flexible and can handle various scenarios.
6. Ask students to document their code and explain how it works.
7. Provide a set of sample data files and ask students to read and process them using their Groovy scripts.
8. Finally, ask students to provide a reflection on what they learned and how they can apply their new knowledge in real-world projects.

Sample Data File (CSV format):

Name, Email, Gender, Age

John Doe, johndoe@example.com, Male, 31

Jane Doe, janedoe@example.com, Female, 28

Bob Smith, bobsmith@example.com, Male, 45

Sara Johnson, sarajohnson@example.com, Female, 22

Requirements:

1. The script should be able to read the data from a file with a specific name and extension (e.g., "data.csv").
2. The script should be able to handle file reading errors and display an error message if the file cannot be read.
3. The script should be able to process the data in a specific way, such as creating a list of objects or performing calculations on the data.
4. The script should be well-documented and easy to understand.

Sample Output (for creating a list of objects):

[ [name: 'John Doe', email: 'johndoe@example.com', gender: 'Male', age: '31'],

[name: 'Jane Doe', email: 'janedoe@example.com', gender: 'Female', age: '28'],

[name: 'Bob Smith', email: 'bobsmith@example.com', gender: 'Male', age: '45'],

[name: 'Sara Johnson', email: 'sarajohnson@example.com', gender: 'Female', age: '22']

]