**Assignment Task:**

**Objective:** To familiarize yourself with the vi editor and various command-line utilities such as grep, head, tail, more, and cat.

**Instructions:**

1. Using the vi editor, create a new file called "samplefile.txt" and add the following text to it:

Hello! Welcome to codingrad.

Python is a popular programming language.

It is known for its simplicity and readability.

With Python, you can build a wide range of applications.

Whether you're a beginner or an experienced developer,

Python provides a great platform to unleash your creativity.

Happy coding!

Save and exit the vi editor.

3. Use the grep command to search for the word "**read**" in the "samplefile.txt" and display the matching lines.

4. Use the head command to display the first 5 lines of the "samplefile.txt".

5. Use the tail command to display the last 3 lines of the "samplefile.txt".

6. Use the more command to display the contents of the "samplefile.txt" one screen at a time, allowing the user to scroll through it.

7. Use the **cat** command to display the contents of the "textfile.txt" in its entirety.

8. Create a new file called "numbers.txt" and add the following numbers to it, each number on a new line: **10 20 30 40 50**

9. Use the grep command to search for the number "30" in the "numbers.txt" file and display the matching line.

10. Use the head command to display the first 2 lines of the "numbers.txt" file.

11. Use the tail command to display the last line of the "numbers.txt" file.

**TASK:2**

**Objective:** Using the grep command, search for specific employee records in a data file.

**Instructions:**

Create a new file called "employees.txt" and add the following employee records, each on a new line:

John Dar, 35, Manager

Jane Smith, 28, Developer

Michael Johnson, 42, Analyst

Emily Davis, 31, Designer

Alex Brown, 39, Engineer

* Use the grep command to search for employees with the job title "Developer" in the "employees.txt" file and display the matching lines.
* Use the grep command to search for employees whose age is "31" in the "employees.txt" file and display the matching lines.
* Use the grep command to search for employees with the name "Smith" in the "employees.txt" file and display the matching lines.