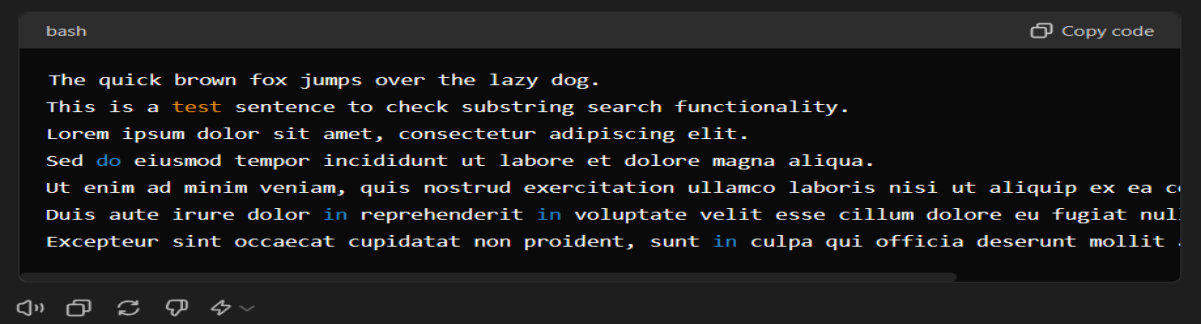


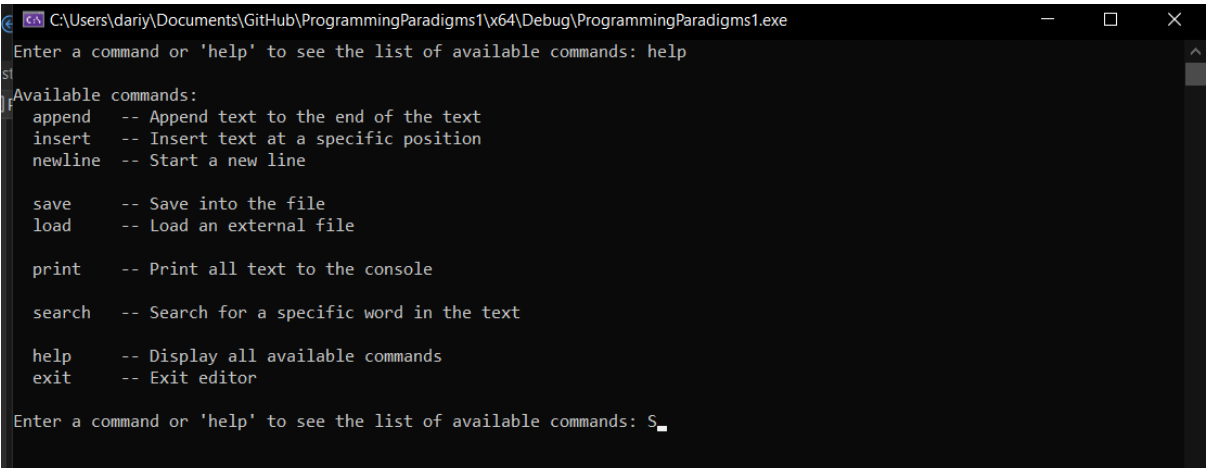
Test plan

За початковий варіант тексту для тестів було взято згенерований чатом GPT наступний текст:

A terminal window with a dark background and light text. The title bar says 'bash' and there is a 'Copy code' button. The text inside is a paragraph of Lorem Ipsum with some words highlighted in different colors: 'test' in orange, 'do' in blue, 'in' in blue, and 'in' in blue.

```
bash
The quick brown fox jumps over the lazy dog.
This is a test sentence to check substring search functionality.
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea c
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat null
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit
```

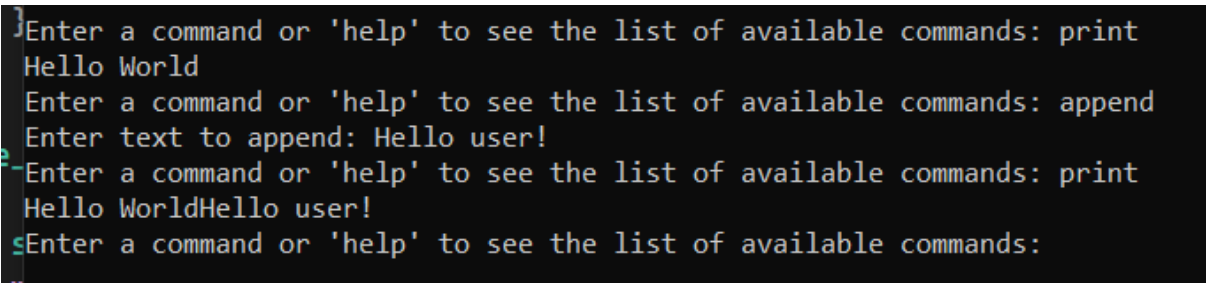
1. Для початку додамо згенерований текст прямо у файл (створений в процесі написання коду) та запустимо програму.

A terminal window titled 'C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe'. It shows a prompt 'Enter a command or 'help' to see the list of available commands: help' and a list of commands: append, insert, newline, save, load, print, search, help, and exit.

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: help
Available commands:
append -- Append text to the end of the text
insert -- Insert text at a specific position
newline -- Start a new line
save -- Save into the file
load -- Load an external file
print -- Print all text to the console
search -- Search for a specific word in the text
help -- Display all available commands
exit -- Exit editor
Enter a command or 'help' to see the list of available commands: S_
```

Команда help виводить список усіх команд.

Після цього можемо вивести на екран дефолтний текст редактора (вказаний в коді):

A terminal window showing the output of the 'print' command. It displays 'Hello World' and then 'Hello user!' after the 'append' command.

```
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: append
Enter text to append: Hello user!
Enter a command or 'help' to see the list of available commands: print
Hello WorldHello user!
Enter a command or 'help' to see the list of available commands:
```

Також одразу протестуємо команду append, додавши Hello user! в кінець вже існуючого тексту.

2. Команда `newline` додасть новий рядок до вже існуючого тексту:

```
Enter a command or 'help' to see the list of available commands: newline
Enter a command or 'help' to see the list of available commands: print
Hello WorldHello user!
```

```
Enter a command or 'help' to see the list of available commands:
```

Одразу після `newline` використаємо `append` щоб додати до існуючого тексту

```
Enter a command or 'help' to see the list of available commands: print
Hello WorldHello user!
new user input
Enter a command or 'help' to see the list of available commands: █
```

Н

3. Використаємо команду load щоб завантажити файл по заданому шляху. Додамо до нього новий рядок та новий текст а після збережемо у той самий файл.

```
C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe
Enter a command or 'help' to see the list of available commands: load
Text was successfully loaded!
Enter a command or 'help' to see the list of available commands: print
The quick brown fox jumps over the lazy dog.
This is a test sentence to check substring search
functionality.
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.
Enter a command or 'help' to see the list of available commands: _
```

```
Enter a command or 'help' to see the list of available commands: append
Enter text to append: hello
Enter a command or 'help' to see the list of available commands: newline
Enter a command or 'help' to see the list of available commands: append
Enter text to append: user
Enter a command or 'help' to see the list of available commands: append
Enter text to append: !!!
Enter a command or 'help' to see the list of available commands: print
The quick brown fox jumps over the lazy dog.
This is a test sentence to check substring search
functionality.
Lorem ipsum dolor sit amet, consectetur adipiscing elit.
Sed do eiusmod tempor incididunt ut labore et dolore magna aliqua.
Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat.
Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur.
Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.hello
user!!!
Enter a command or 'help' to see the list of available commands: save
Your text was successfully saved!Enter a command or 'help' to see the list of available commands: exit
Exiting...
```

4. Перезапустимо програму та завантажимо файл зі змінами назад, Щоб перевірити пошук співпадінь.

```
Enter a command or 'help' to see the list of available commands: load
Text was successfully loaded!
Enter a command or 'help' to see the list of available commands: search
Enter the substring to search: brown
Searching for substring: "brown"...
Found substring at row 0, index 10
Enter a command or 'help' to see the list of available commands:
```

```
Enter the substring to search: dog
Searching for substring: "dog"...
Found substring at row 0, index 40
Enter a command or 'help' to see the list of available commands: search
Enter the substring to search: blue
Searching for substring: "blue"...
No such substring in your text!
Enter a command or 'help' to see the list of available commands: search
Enter the substring to search: sdfjsdbhfshdkf
Searching for substring: "sdfjsdbhfshdkf"...
No such substring in your text!
```

Ще декілька прикладів пошуку (вдалих та пошуку слів, яких немає в файлі)

5. Перевірка команди exit що завершає програму.

```
Enter a command or 'help' to see the list of available commands: exit
Exiting...

C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe (process 9440) exited with code 0.
Press any key to close this window . . .
```

6. Після очистки файлу (ручної) запустимо програму та завантажимо файл (вже порожній), змінимо дефолтний текст, який пропонує нам редактор та збережемо

```
Enter a command or 'help' to see the list of available commands: load
Text was successfully loaded!
Enter a command or 'help' to see the list of available commands: print
Hello World
Enter a command or 'help' to see the list of available commands: append
Enter text to append: this is example for save function
Enter a command or 'help' to see the list of available commands: print
Hello Worldthis is example for save function
Enter a command or 'help' to see the list of available commands: save
Your text was successfully saved!Enter a command or 'help' to see the list of available commands: exit
Exiting...

C:\Users\dariy\Documents\GitHub\ProgrammingParadigms1\x64\Debug\ProgrammingParadigms1.exe (process 22536) exited with code 0.
Press any key to close this window . . .
```

