## Case 1:

- 1. Text append with new lines
- 2. Text output
- 3. Find text
- 4. Insert text
- 5. Output again
- 6. Save to the file

### Case 2:

- 1. Load text
- 2. Output text
- 3. Insert text into a new line
- 4. Output again
- 5. Save text

## Case 3:

1. Try to break the program by extending a row limit (The initial rows count is 10) If the program doesn't break, it shows that the array has dynamic size and reallocates when required.

## Case 4:

1. Try to break the program by extending a char limit in a row using text insert.(Initial char limit in row is 128)

If the program doesn't break, it shows that the array has dynamic size and reallocates when required.

## Case 5:

1. Use the find text command on the most popular char in a text

# Case 6:

- 1. Append some text and new lines
- 2. Clear console
- 3. Show text

### Case 1:

```
1 and 2) Choose the command or enter 9 for commands list:

1
Enter text to append:
Hello there
Choose the command or enter 9 for commands list:
2
Choose the command or enter 9 for commands list:
1
Enter text to append:
How are you doing?
Choose the command or enter 9 for commands list:
2
Choose the command or enter 9 for commands list:
1
Enter text to append:
I'm fine!
Choose the command or enter 9 for commands list:
5
Hello there
How are you doing?
I'm fine!
```

```
3 and 4)
        Choose the command or enter 9 for commands list:
         Enter text you want to find:e
         Text found in:0 1; 0 8; 0 10; 1 6; 2 7;
         Choose the command or enter 9 for commands list:
         Enter the row and column to insert text:0 11
         Enter text to insert:friend
         Choose the command or enter 9 for commands list:
         Hello therefriend
         How are you doing?
         I'm fine!
 5 and 6) Choose the command or enter 9 for commands list:
         Hello there friend
         How are you doing?
         I'm fine!
         Choose the command or enter 9 for commands list:
         Enter the file name for saving:123.txt
         Text saved successfully
         Choose the command or enter 9 for commands list:
Case 2:
         Enter the file name for loading:123.txt
         Choose the command or enter 9 for commands list:
         Hello there friend
         How are you doing?
         I'm fine!
         Choose the command or enter 9 for commands list:
         Enter the row and column to insert text:4 0
         Enter text to insert:Jump!
         Choose the command or enter 9 for commands list:
         Hello there friend
         How are you doing?
         I'm fine!
         Jump!
         Choose the command or enter 9 for commands list:
         Enter the file name for saving:123.txt
```

Text saved successfully

```
Choose the command or enter 9 for commands list:
       Choose the command or enter 9 for commands list:
Case 3:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
        Enter text to append:
        Choose the command or enter 9 for commands list:
        Choose the command or enter 9 for commands list:
```

Choose the command or enter 9 for commands list:

#### Case 4:

```
Choose the command or enter 9 for commands list:

1
Enter text to append:
1234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123456789012
```

#### Case 5:

```
Choose the command or enter 9 for commands list:
Enter text to append:
Choose the command or enter 9 for commands list:
Enter text you want to find:1

Text found in:0 0; 0 1; 0 2; 0 3; 0 4; 0 5; 0 6; 0 7; 0 8; 0 9; 0 10; 0 11; 0 12; 0 13; 0 14; 0 15; 0 16; 0 17; 0 18; 0 19; 0 20; 0 21; 0 22; 0 23; 0 24; 0 25; 0 26; 0 27; 0 28; 0 29; 0 30; 0 31; 0 32; 0 33; 0 34; 0 35; 0 36; 0 37; 0 38; 0 39; 0 40; 0 41; 0 42; 0 43; 0 44; 0 45; 0 46; 0 47; 0 48; 0 49; 0 50; 0 51; 0 52; 0 53; 0 54; 0 55; 0 56; 0 57; 0 58; 0 59; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 60; 0 61; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0 62; 0
63; 0 64; 0 65; 0 66; 0 67; 0 68; 0 69; 0 70; 0 71; 0 72; 0 73; 0 74; 0 75; 0 76; 0 77; 0 78; 0 79; 0 80; 0 81; 0 82; 0 83; 0 84
    0 85; 0 86;
 Choose the command or enter 9 for commands list:
Enter text to append:
Choose the command or enter 9 for commands list:
Enter text you want to find:1
Text found in:0 0; 0 1; 0 2; 0 3; 0 4; 0 5; 0 6; 0 7; 0 8; 0 9; 0 10; 0 11; 0 12; 0 13; 0 14; 0 15; 0 16; 0 17; 0 18; 0 19; 0 20
; 0 21; 0 22; 0 23; 0 24; 0 25; 0 26; 0 27; 0 28; 0 29; 0 30; 0 31; 0 32; 0 33; 0 34; 0 35; 0 36; 0 37; 0 38; 0 39; 0 40; 0 41;
0 42; 0 43; 0 44; 0 45; 0 46; 0 47; 0 48; 0 49; 0 50; 0 51; 0 52; 0 53; 0 54; 0 55; 0 56; 0 57; 0 58; 0 59; 0 60; 0 61; 0 62; 0
63; 0 64; 0 65; 0 66; 0 67; 0 68; 0 69; 0 70; 0 71; 0 72; 0 73; 0 74; 0 75; 0 76; 0 77; 0 78; 0 79; 0 80; 0 81; 0 82; 0 83; 0 84; 0 85; 0 86; 0 87; 0 88; 0 89; 0 90; 0 91; 0 92; 0 93; 0 94; 0 95; 0 96; 0 97; 0 98; 0 99; 0 100; 0 101; 0 102; 0 103; 0 104; 0
  105; 0 106; 0 107; 0 108; 0 109; 0 110; 0 111; 0 112; 0 113; 0 114; 0 115; 0 116; 0 117; 0 118; 0 119; 0 120; 0 121; 0 122; 0 1
23; 0 124; 0 125; 0 126; 0 127; 0 128; 0 129; 0 130; 0 131; 0 132; 0 133; 0 134; 0 135; 0 136; 0 137; 0 138; 0 139; 0 140; 0 141
; 0 142; 0 143; 0 144; 0 145; 0 146; 0 147; 0 148; 0 149; 0 150; 0 151; 0 152; 0 153; 0 154; 0 155; 0 156; 0 157; 0 158; 0 159;
0 160; 0 161; 0 162; 0 163; 0 164; 0 165; 0 166; 0 167; 0 168; 0 169; 0 170; 0 171; 0 172; 0 173; 0 174; 0 175;
 Choose the command or enter 9 for commands list:
```

# Case 6:

```
Choose the command or enter 9 for commands list:

Enter text to append:
Hello
Choose the command or enter 9 for commands list:

Enter text to append:
there
Choose the command or enter 9 for commands list:

Choose the command or enter 9 for commands list:

Choose the command or enter 9 for commands list:

Enter text to append:
Bye
Choose the command or enter 9 for commands list:
```