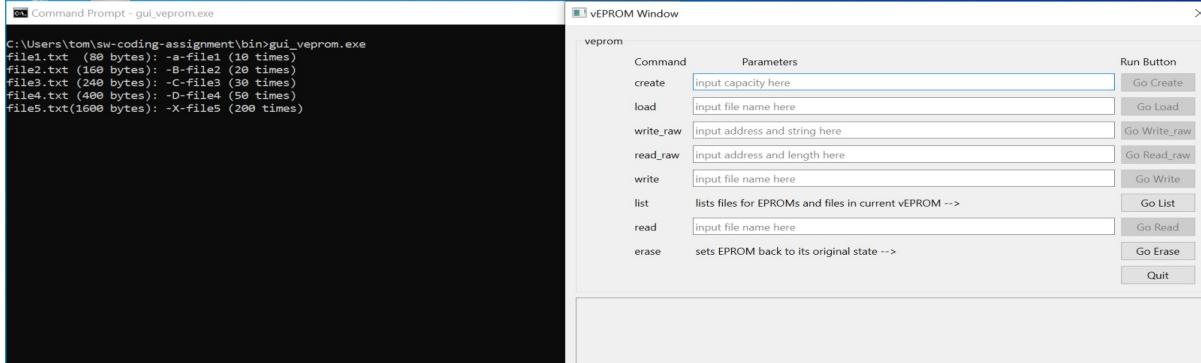


1) Launch gui_veeprom.exe

Expected results:

a) gui window with title “vEPROM Window” containing Command label, Parameters field and Run Button for each command

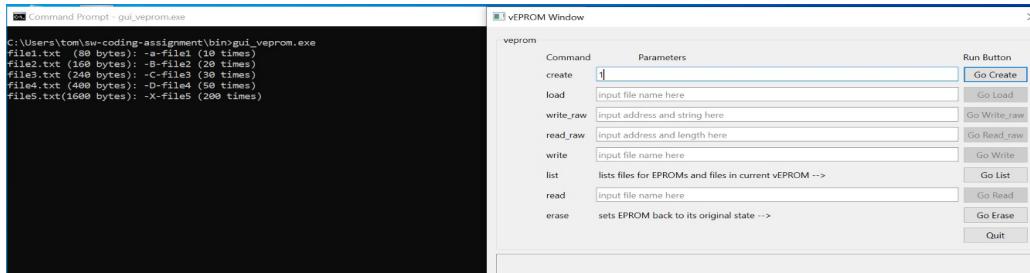
b) cmd terminal showing five files (file1.txt, file2.txt, ..., file5.txt), their sizes and contents for testing.



2) create first EPROM with capacity of 1k

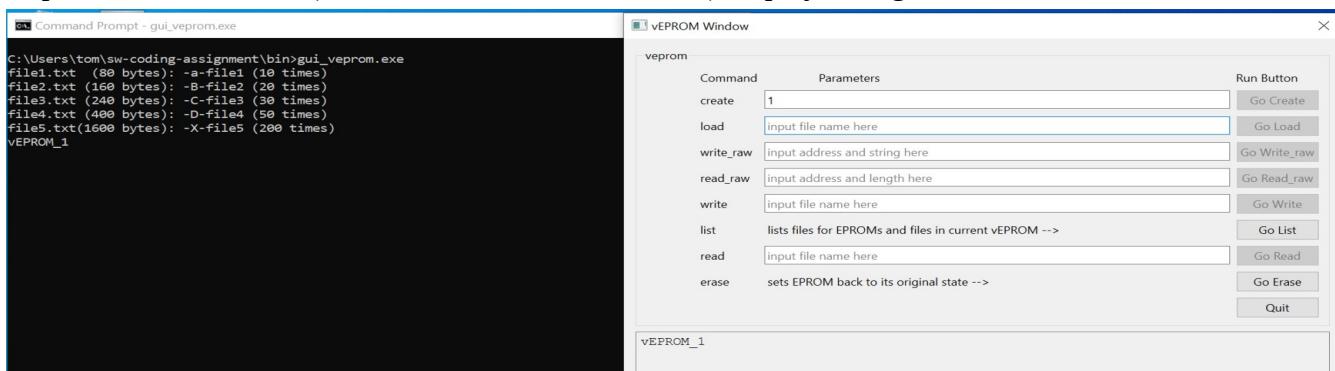
Input 1 in the parameters field for “create” command

Expected: "Go Create" button is enabled



Click "Go Create" button

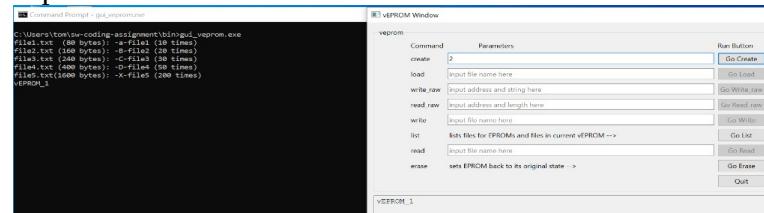
Expected: vEPROM_1 (file name for the first EPROM) displayed in gui Window and cmd terminal



3) create second EPROM with capacity of 2k

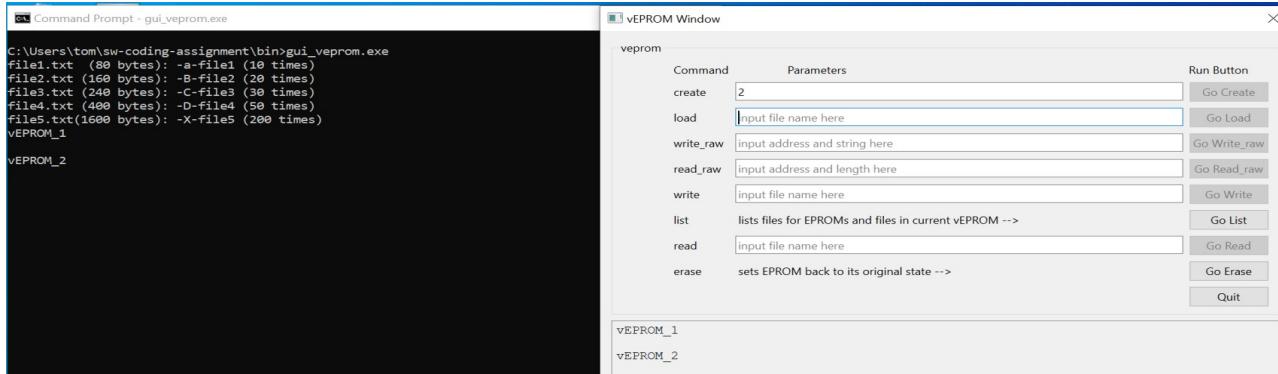
Input 2 in the parameters field for “create” command

Expected: "Go Create" button is enabled



Click "Go Create" button

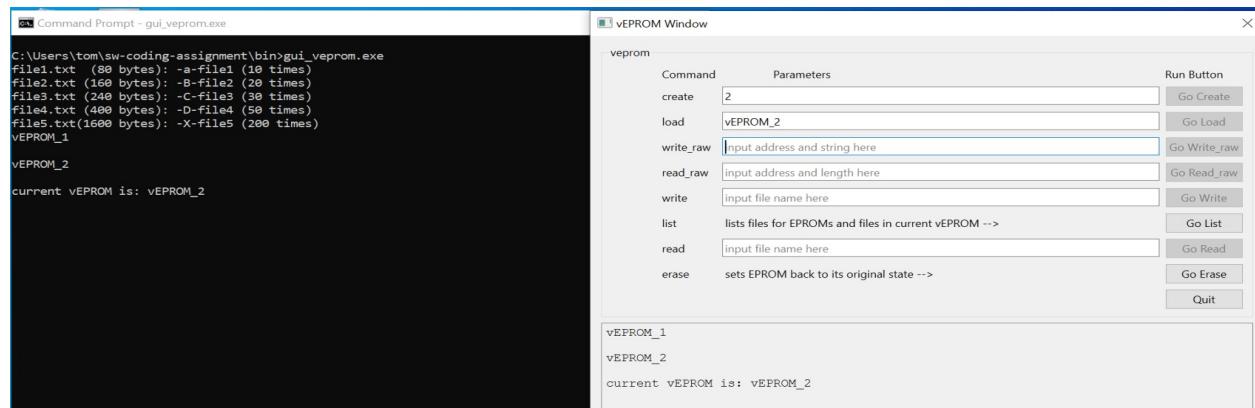
Expected: vEPROM_2 (file name for the second EPROM) displayed in gui Window and cmd terminal



4) select the second one (vEPROM_2) created as current EPROM

Input vEPROM_2 in the parameters field for “load” command enabling “Go Load” button, and Click "Go Load" button

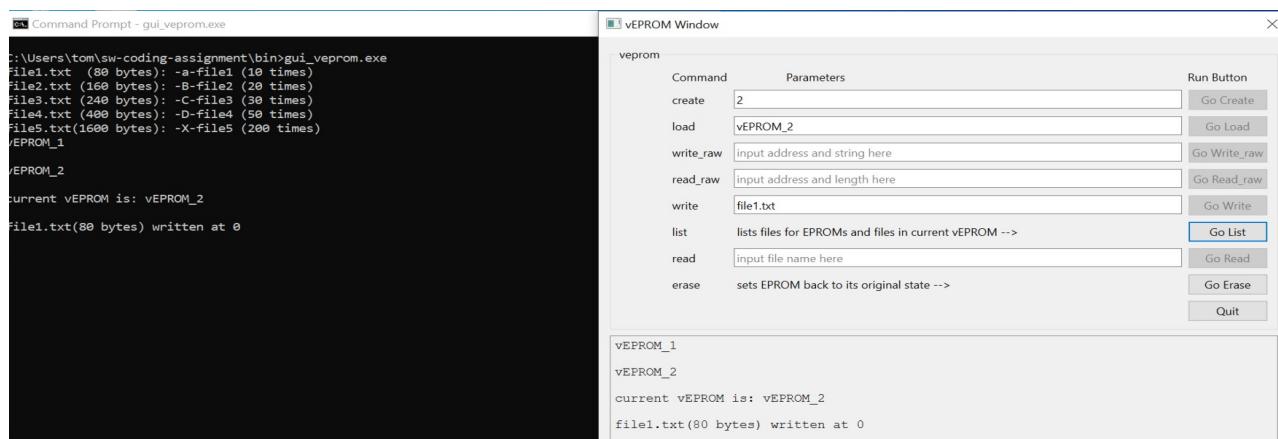
Expected: “current vEPROM is: vEPROM_2” displayed in gui Window and cmd terminal



5) write file1.txt to the current EPROM (vEPROM_2)

Input file1.txt in the parameters field for “write” command enabling “Go Write” button, and Click "Go Write" button

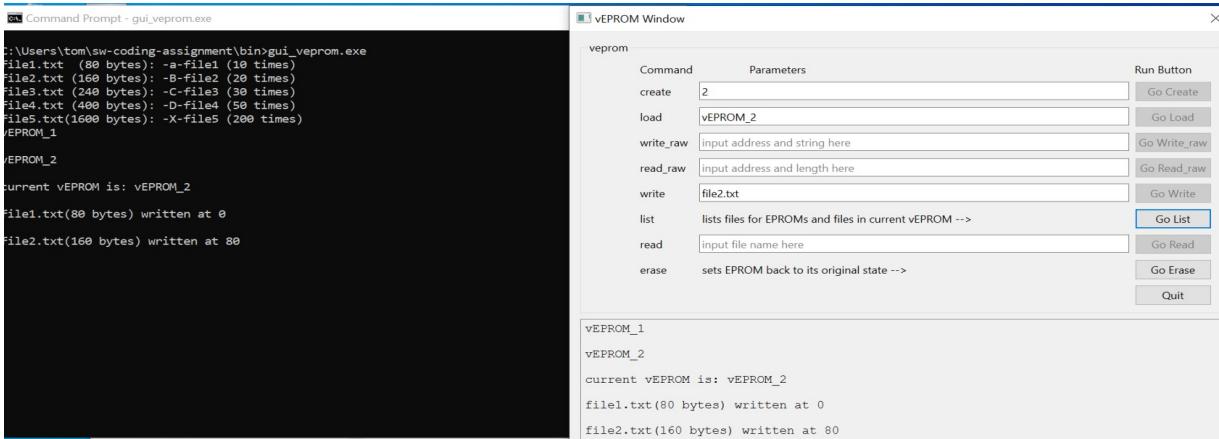
Expected: “file1.txt(80 bytes) written at 0” displayed in gui Window and cmd terminal
file1.txt of 80 bytes is written to the current EPROM (vEPROM_2) at 0



6) write file2.txt to the current EPROM (vEPROM_2)

Input file2.txt in the parameters field for “write” command enabling “Go Write” button, and Click "Go Write" button

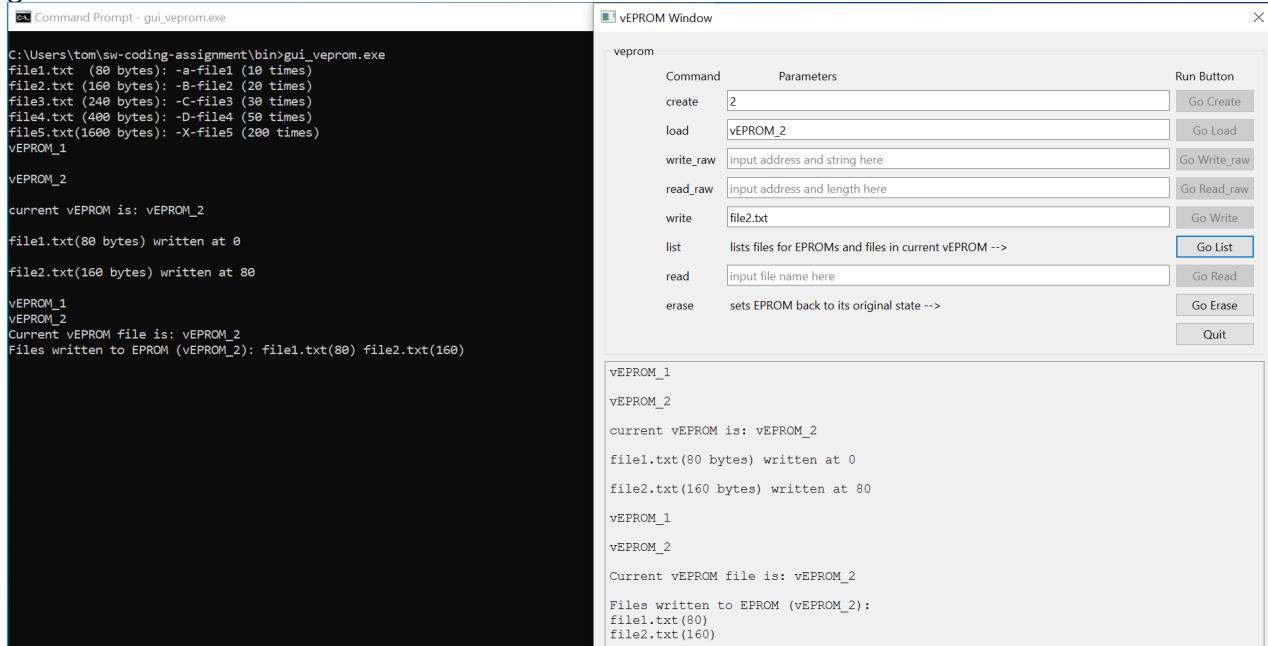
Expected: “file2.txt(160 bytes) written at 80” displayed in gui Window and cmd terminal
file2.txt of 160 bytes is written to the current EPROM (vEPROM_2) at 80



7) list files in the current EPROM (vEPROM_2)

Click "Go List" button

Expected: “Files written to EPROM (vEPROM_2): file1.txt(80 bytes) file2.txt(160 bytes)” displayed in gui Window and cmd terminal



8) read file2.txt from the current EPROM (vEPROM_2)

Input file2.txt in the parameters field for “read” command enabling “Go Read” button, and Click "Go Read" button

Expected: The contents of file2.txt (160 bytes) in vEPROM_2 displayed in gui Window and cmd terminal. file2.txt (160 bytes) starts at address 80. Each byte is displayed in Hex and Char from address 80 (50 in Hex) to 239 (EF in Hex).

Command Prompt - gui_veeprom.exe

```
C:\Users\tom\sw-coding-assignment\bin>gui_veeprom.exe
file1.txt (80 bytes): -a-file1 (10 times)
file2.txt (160 bytes): -B-file2 (20 times)
file3.txt (240 bytes): -C-file3 (30 times)
file4.txt (400 bytes): -D-file4 (50 times)
file5.txt(1600 bytes): -X-file5 (200 times)
vEPROM_1
vEPROM_2
current vEPROM is: vEPROM_2
file1.txt(80 bytes) written at 0
file2.txt(160 bytes) written at 80
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)

file2.txt(160 bytes) starts at address 80
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
50( 80)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
60( 96)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
70( 112)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
80( 128)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
90( 144)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
A0( 160)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
B0( 176)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
C0( 192)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
D0( 208)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
E0( 224)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2

vEPROM Window
veeprom
Command Parameters Run Button
create 2 Go Create
load vEPROM_2 Go Load
write_raw input address and string here Go Write_raw
read_raw input address and length here Go Read_raw
write file2.txt Go Write
list lists files for EPROMs and files in current vEPROM --> Go List
read file2.txt Go Read
erase sets EPROM back to its original state --> Go Erase
Quit

file2.txt(160 bytes) starts at address 80
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
50( 80)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
60( 96)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
70( 112)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
80( 128)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
90( 144)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
A0( 160)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
B0( 176)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
C0( 192)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
D0( 208)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
E0( 224)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
```

9) read 300 bytes at address 0 from the current EPROM (vEPROM_2)

Input “0 300” in the parameters field for “read_raw” command enabling “Go Read_raw” button, and Click "Go Read_raw" button

Expected: Each byte of the 300 bytes from address 0 is displayed in Hex and Char

Each byte from address 0 to 299 (12B in Hex) is displayed in Hex and Char.

The first 80 bytes (from address 0 to 79) are the contents of file1.txt (80 bytes).

The following 160 bytes (from address 80 to 239) are the contents of file2.txt (160 bytes).

The last 60 bytes (from address 240 to 299) are zeros. Zero is not printable char, displayed in char ‘.’.

Command Prompt - gui_veeprom.exe

```
file2.txt(160 bytes) starts at address 80
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
50( 80)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
60( 96)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
70( 112)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
80( 128)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
90( 144)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
A0( 160)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
B0( 176)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
C0( 192)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
D0( 208)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
E0( 224)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2

vEPROM Window
veeprom
Command Parameters Run Button
create 2 Go Create
load vEPROM_2 Go Load
write_raw input address and string here Go Write_raw
read_raw input address and length here Go Read_raw
write file2.txt Go Write
list lists files for EPROMs and files in current vEPROM --> Go List
read file2.txt Go Read
erase sets EPROM back to its original state --> Go Erase
Quit

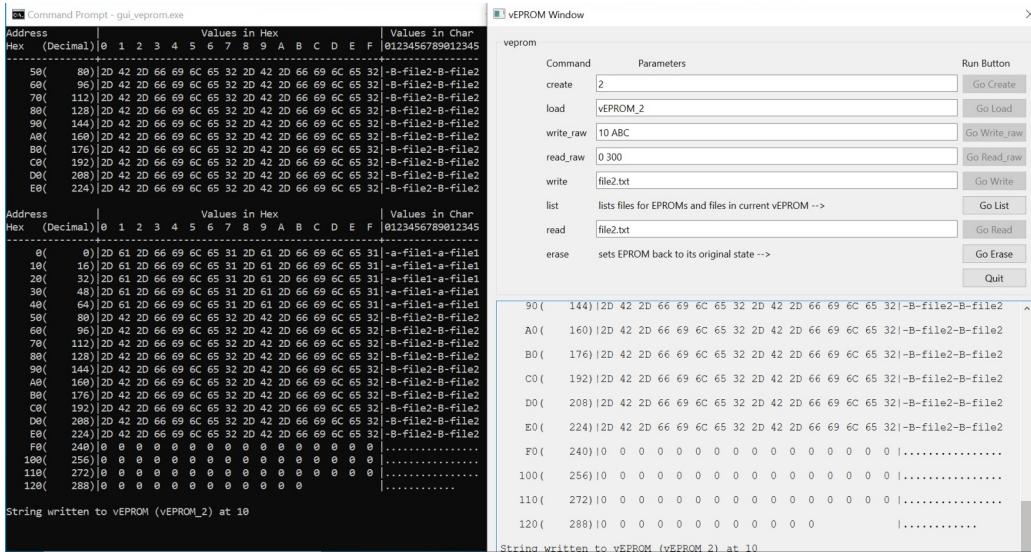
file2.txt(160 bytes) starts at address 80
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
0( 0)| 2D 61 2D 66 69 6C 65 31 | 2D 61 2D 66 69 6C 65 31 |-a-file1-a-file1
10( 16)| 2D 61 2D 66 69 6C 65 31 | 2D 61 2D 66 69 6C 65 31 |-a-file1-a-file1
20( 32)| 2D 61 2D 66 69 6C 65 31 | 2D 61 2D 66 69 6C 65 31 |-a-file1-a-file1
30( 48)| 2D 61 2D 66 69 6C 65 31 | 2D 61 2D 66 69 6C 65 31 |-a-file1-a-file1
40( 64)| 2D 61 2D 66 69 6C 65 31 | 2D 61 2D 66 69 6C 65 31 |-a-file1-a-file1
50( 80)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
60( 96)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
70( 112)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
80( 128)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
90( 144)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
A0( 160)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
B0( 176)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
C0( 192)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
D0( 208)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
E0( 224)| 2D 42 2D 66 69 6C 65 32 | 2D 42 2D 66 69 6C 65 32 |-B-file2-B-file2
F0( 240)| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | .....
100( 256)| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | .....
110( 272)| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | .....
120( 288)| 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | .....
```

10) write ABC at address 10 to the current EPROM (vEPROM_2)

Input “10 ABC” in the parameters field for “write_raw” command enabling “Go Write_raw”, and Click “Go Write_raw” button

Expected: "String written to vEPROM (vEPROM_2) at 10" displayed in gui Window and cmd terminal.

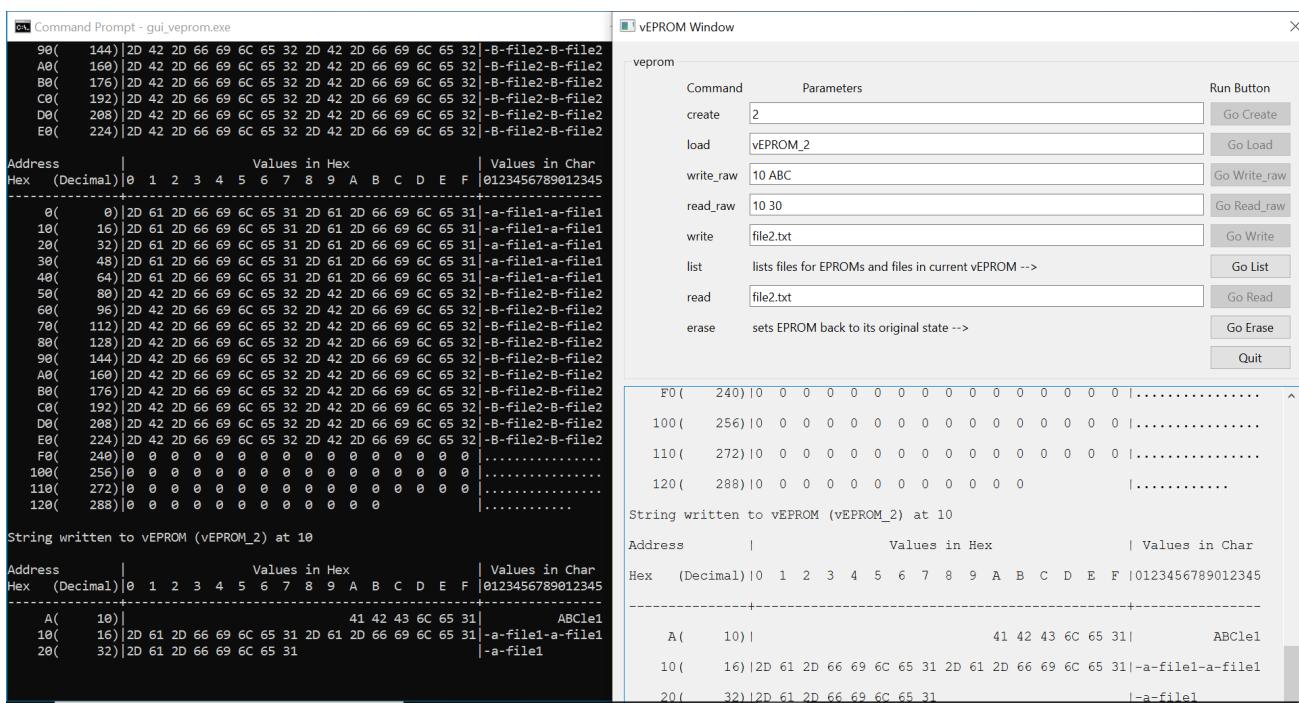
String ABC is written to the current EPROM (vEPROM_2) at 10.



11) read 30 bytes at address 10 from the current EPROM (vEPROM_2)

Input “10 30” in the parameters field for “read_raw” command enabling “Go Read_raw”, and Click “Go Read raw” button

Expected: Each byte of the 30 bytes from address 10 is displayed in Hex and Char String “ABC” at address 10 is displayed in Hex and Char.



12) select the first EPROM (vEPROM_1) as current EPROM

Input vEPROM_1 in the parameters field for “load” command enabling “Go Load” button, and Click "Go Load" button

Expected: “current vEPROM is: vEPROM_1” displayed in gui Window and cmd terminal

The screenshot shows the vEPROM Window interface. In the top right, the status bar displays "current vEPROM is: vEPROM_1". The main area contains two tables: one for "String written to vEPROM (vEPROM_2) at 10" and another for "String written to vEPROM (vEPROM_2) at 100". Both tables show hex values and their corresponding ASCII representations. The "Parameters" section on the right shows "load vEPROM_1" with the "Go Load" button enabled.

Address	Values in Hex	Values in Char
Hex (Decimal)	0 1 2 3 4 5 6 7 8 9 A B C D E F	0123456789012345
0(0)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
1(16)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
2(32)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
3(48)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
4(64)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
5(80)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
6(96)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
7(112)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
8(128)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
9(144)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
A(160)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
B(176)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
C(192)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
D(208)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
E(224)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
F(240)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
100(256)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
110(272)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
120(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
128(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1

Address	Values in Hex	Values in Char
Hex (Decimal)	0 1 2 3 4 5 6 7 8 9 A B C D E F	0123456789012345
0(0)	41 42 43 6C 65 31	ABCle1
1(16)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
2(32)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
3(48)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
4(64)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
5(80)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
6(96)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
7(112)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
8(128)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
9(144)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
A(160)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
B(176)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
C(192)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
D(208)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
E(224)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
F(240)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
100(256)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
110(272)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
120(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
128(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1

13) write file3.txt to the current EPROM (vEPROM_1)

Input file3.txt in the parameters field for “write” command enabling “Go Write” button, and Click "Go Write" button

Expected: “file3.txt(240 bytes) written at 0” displayed in gui Window and cmd terminal
file3.txt of 240 bytes is written to the current EPROM (vEPROM_1) at 0

The screenshot shows the vEPROM Window interface. In the top right, the status bar displays "current vEPROM is: vEPROM_1". The main area contains two tables: one for "String written to vEPROM (vEPROM_2) at 10" and another for "String written to vEPROM (vEPROM_2) at 100". Both tables show hex values and their corresponding ASCII representations. The "Parameters" section on the right shows "write file3.txt" with the "Go Write" button enabled.

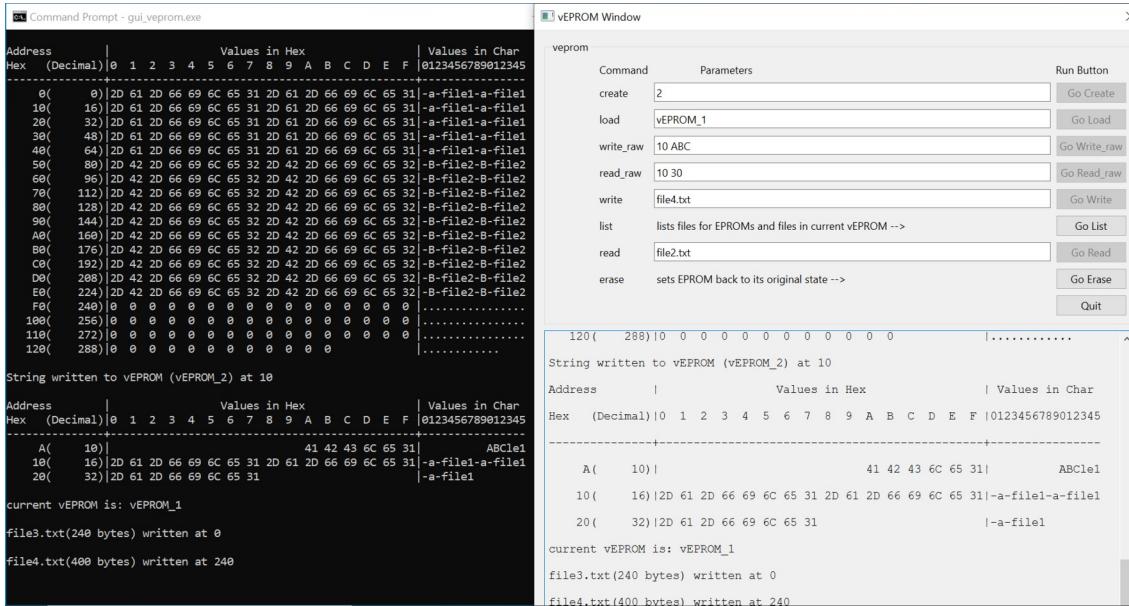
Address	Values in Hex	Values in Char
Hex (Decimal)	0 1 2 3 4 5 6 7 8 9 A B C D E F	0123456789012345
0(0)	41 42 43 6C 65 31	ABCle1
1(16)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
2(32)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
3(48)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
4(64)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
5(80)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
6(96)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
7(112)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
8(128)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
9(144)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
A(160)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
B(176)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
C(192)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
D(208)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
E(224)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
F(240)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
100(256)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
110(272)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
120(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
128(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1

Address	Values in Hex	Values in Char
Hex (Decimal)	0 1 2 3 4 5 6 7 8 9 A B C D E F	0123456789012345
0(0)	41 42 43 6C 65 31	ABCle1
1(16)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
2(32)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
3(48)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
4(64)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
5(80)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
6(96)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
7(112)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
8(128)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
9(144)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
A(160)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
B(176)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
C(192)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
D(208)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
E(224)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
F(240)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
100(256)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
110(272)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
120(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
128(288)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1

14) write file4.txt to the current EPROM (vEPROM_1)

Input file4.txt in the parameters field for “write” command enabling “Go Write” button, and Click "Go Write" button

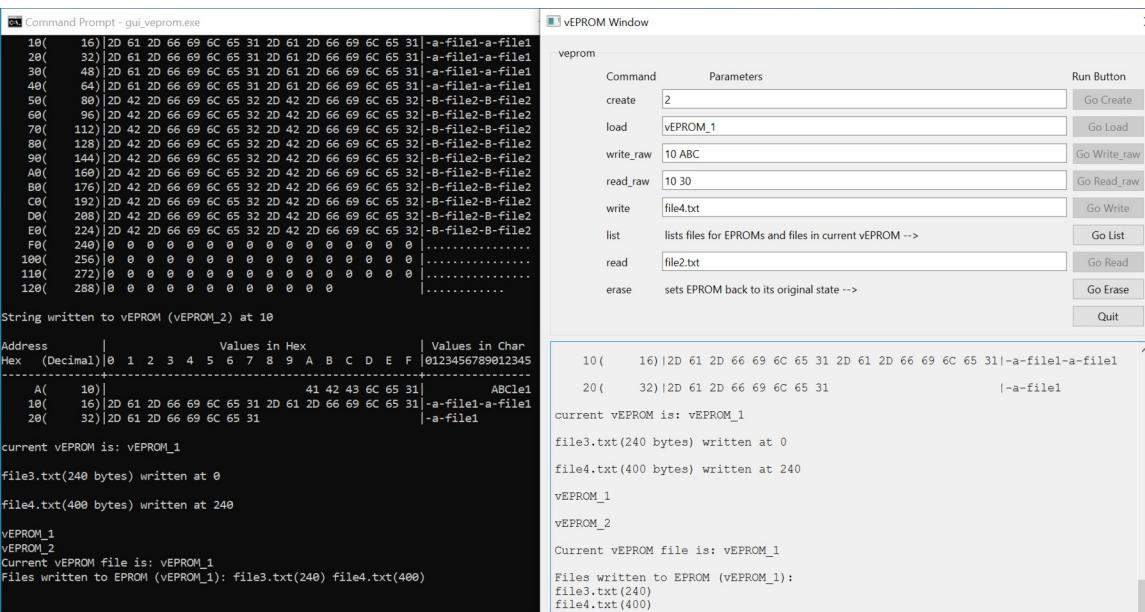
Expected: “file4.txt(400 bytes) written at 240” displayed in gui Window and cmd terminal
file4.txt of 400 bytes is written to the current EPROM (vEPROM_1) at 240



15) list files in the current EPROM (vEPROM_1)

Click "Go List" button

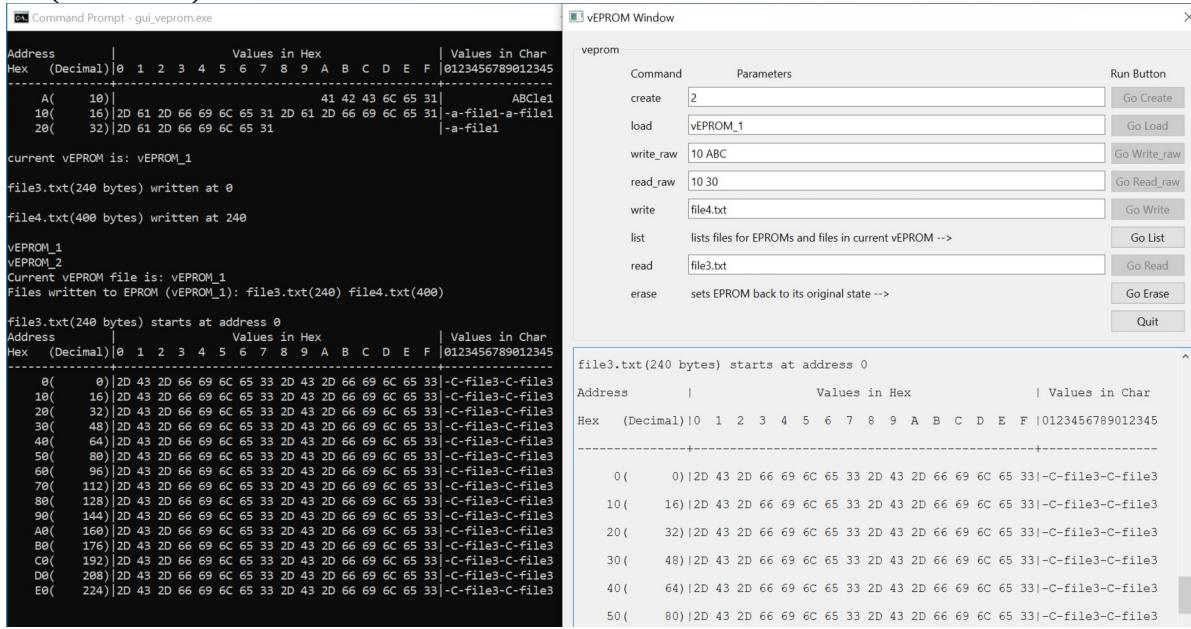
Expected: “Files written to EPROM (vEPROM_1): file3.txt(240 bytes) file4.txt(400 bytes)” displayed in gui Window and cmd terminal



16) read file3.txt from the current EPROM (vEPROM_1)

Input file3.txt in the parameters field for “read” command enabling “Go Read” button, and Click "Go Read" button

Expected: The contents of file3.txt (240 bytes) in vEPROM_1 displayed in gui Window and cmd terminal. file3.txt (240 bytes) starts at address 0. Each byte is displayed in Hex and Char from address 0 to 239 (EF in Hex).

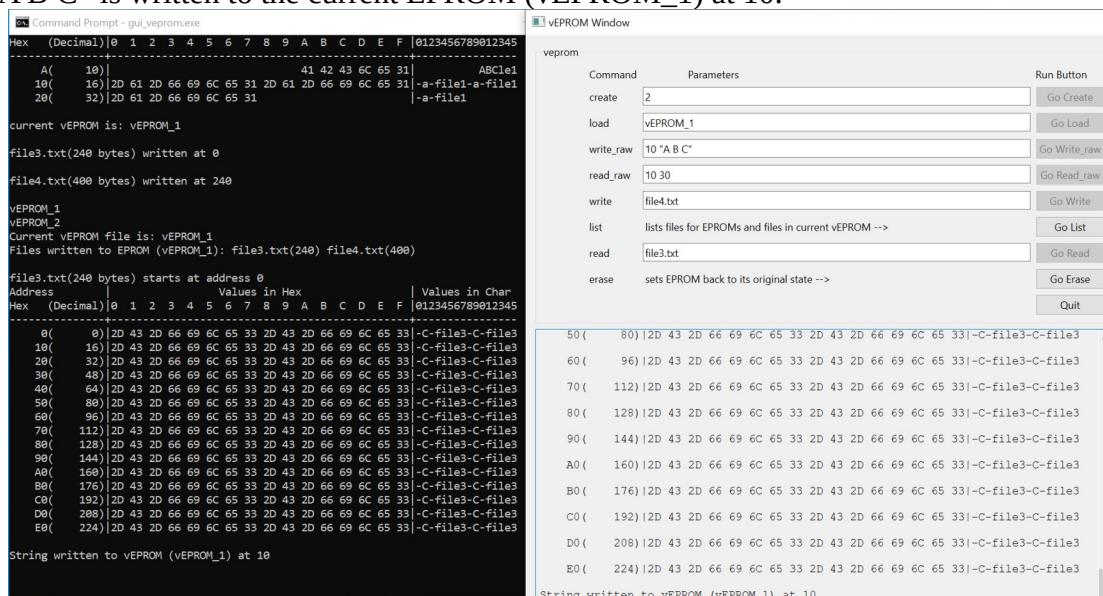


17) write "A B C" at address 10 to the current EPROM (vEPROM_1)

Input 10 “A B C” in the parameters field for “write_raw” command enabling “Go Write_raw”, and Click "Go Write_raw" button

Expected: “String written to vEPROM (vEPROM_1) at 10” displayed in gui Window and cmd terminal.

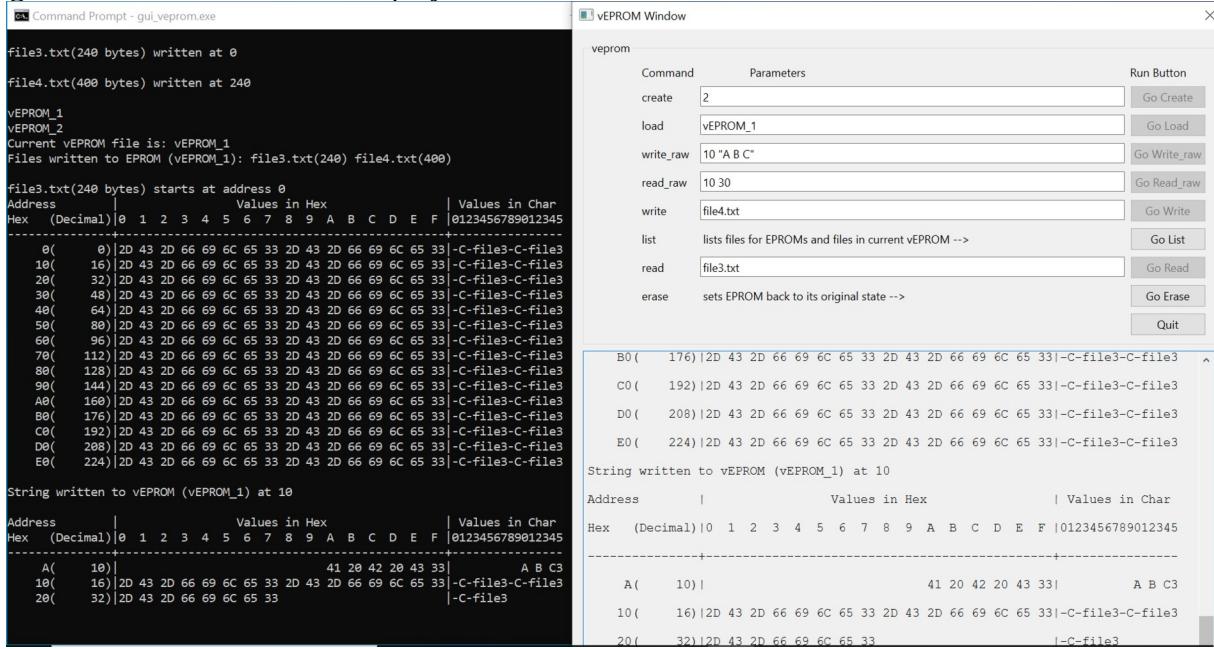
String “A B C” is written to the current EPROM (vEPROM_1) at 10.



18) read 30 bytes at address 10 from the current EPROM (vEPROM_1)

Input "10 30" in the parameters field for "read_raw" command enabling "Go Read_raw", and Click "Go Read_raw" button

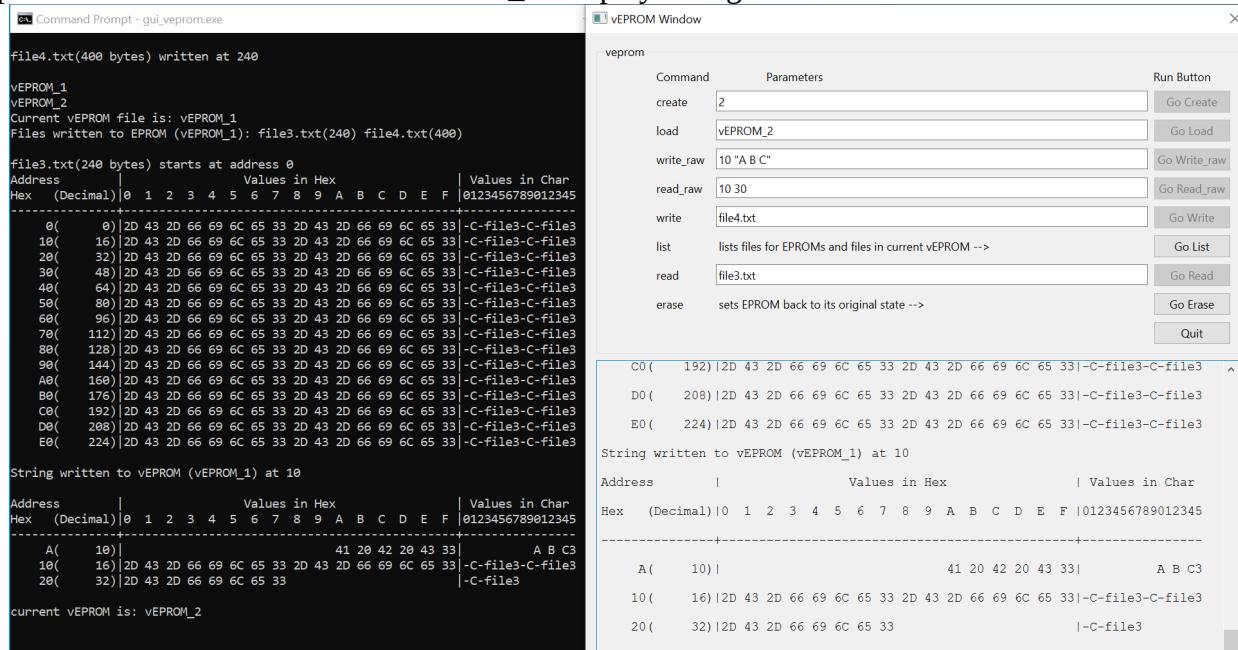
Expected: Each byte of the 30 bytes from address 10 is displayed in Hex and Char String "A B C" at address 10 is displayed in Hex and Char.



19) select the second EPROM (vEPROM_2) as current EPROM

Input vEPROM_2 in the parameters field for "load" command enabling "Go Load" button, and Click "Go Load" button

Expected: "current vEPROM is: vEPROM_2" displayed in gui Window and cmd terminal



20) list files in the current EPROM (vEPROM_2)

Click "Go List" button

Expected: "Files written to EPROM (vEPROM_2): file1.txt(80 bytes) file2.txt(160 bytes)" displayed in gui Window and cmd terminal

```

Current vEPROM file is: vEPROM_1
Files written to EPROM (vEPROM_1): file3.txt(240) file4.txt(400)

file3.txt(240 bytes) starts at address 0
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
 0(   0)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
10(  16)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
20(  32)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
30(  48)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
40(  64)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
50(  80)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
60(  96)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
70( 112)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
80( 128)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
90( 144)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
A0( 160)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
B0( 176)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
C0( 192)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
D0( 208)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
E0( 224)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3

String written to vEPROM (vEPROM_1) at 10
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
 A( 10)|41 20 42 20 43 33| A B C3
10( 16)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
20( 32)|2D 43 2D 66 69 6C 65 33|-C-file3

current vEPROM is: vEPROM_2

vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)

```

21) erase the current EPROM (vEPROM_2)

Click "Go Erase" button

Expected: "Current EPROM is set to its original state" displayed in gui Window and cmd terminal
The current EPROM (vEPROM_2) is set to its original state.

```

file3.txt(240 bytes) starts at address 0
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
 0(   0)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
10(  16)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
20(  32)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
30(  48)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
40(  64)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
50(  80)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
60(  96)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
70( 112)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
80( 128)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
90( 144)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
A0( 160)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
B0( 176)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
C0( 192)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
D0( 208)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
E0( 224)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3

String written to vEPROM (vEPROM_1) at 10
Address | Values in Hex | Values in Char
Hex (Decimal)| 0 1 2 3 4 5 6 7 8 9 A B C D E F | 0123456789012345
-----+-----+-----+
 A( 10)|41 20 42 20 43 33| A B C3
10( 16)|2D 43 2D 66 69 6C 65 33 2D 43 2D 66 69 6C 65 33|-C-file3-C-file3
20( 32)|2D 43 2D 66 69 6C 65 33|-C-file3

current vEPROM is: vEPROM_2

vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2):
file1.txt(80)
file2.txt(160)

Current EPROM is set to its original state

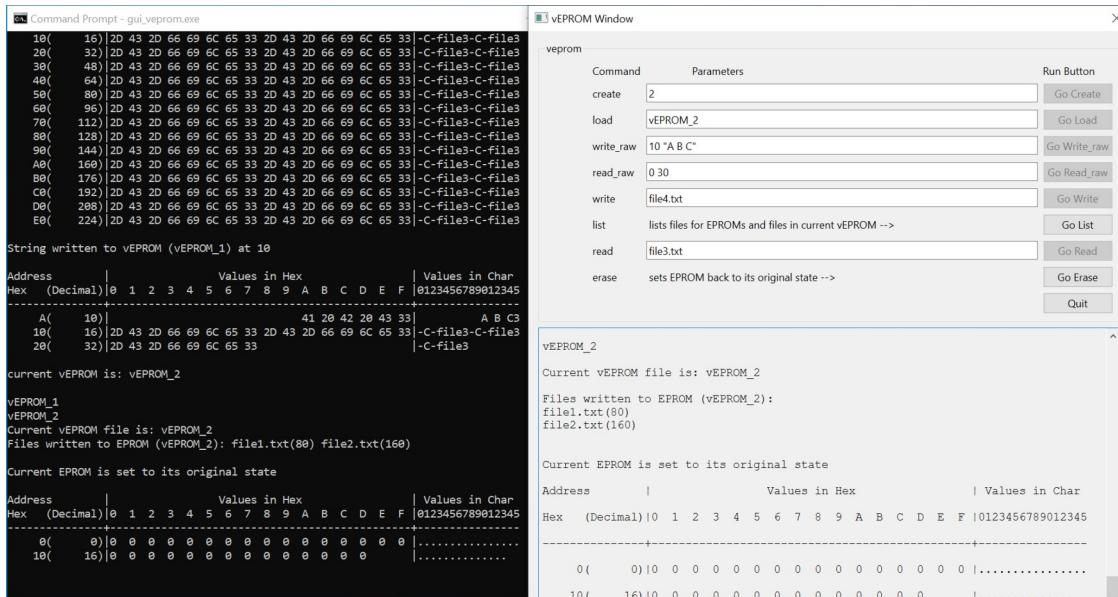
```

22) read 30 bytes at address 0 from the current EPROM (vEPROM_2)

Input "0 30" in the parameters field for "read_raw" command enabling "Go Read_raw", and Click "Go Read_raw" button

Expected: Each byte of the 30 bytes from address 0 is displayed in Hex and Char.

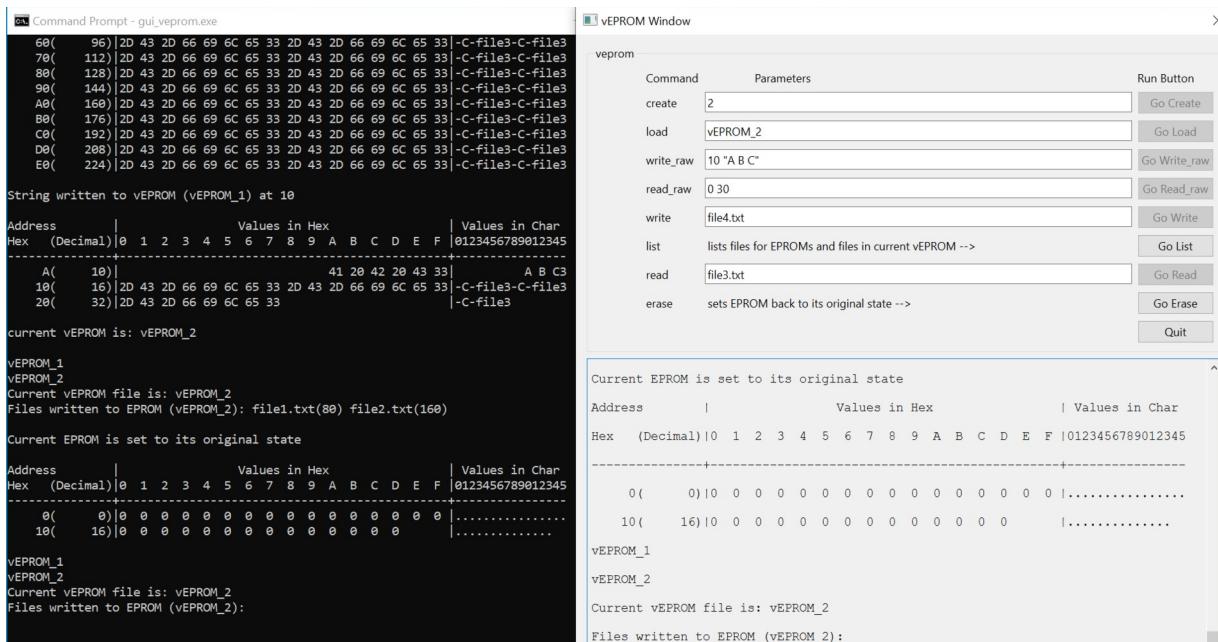
All bytes are zeros.



23) list files in the current EPROM (vEPROM_2)

Click "Go List" button

Expected: "Files written to EPROM (vEPROM_2):" displayed in gui Window and cmd terminal



24) exit by clicking Quit button