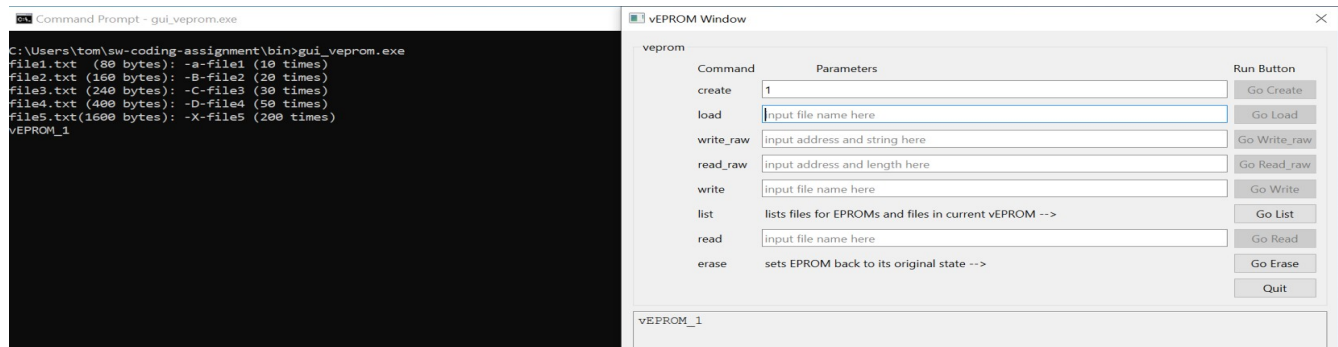


1) create EPROM with 1, 1000, -1, 0, 1001, ABC, 10 20 (1 to 1000 in range, others are out of range or wrong parameter)

a) create first EPROM with capacity of 1k

Input 1 in the parameters field for “create” command enabling "Go Create" button, and Click "Go Create" button

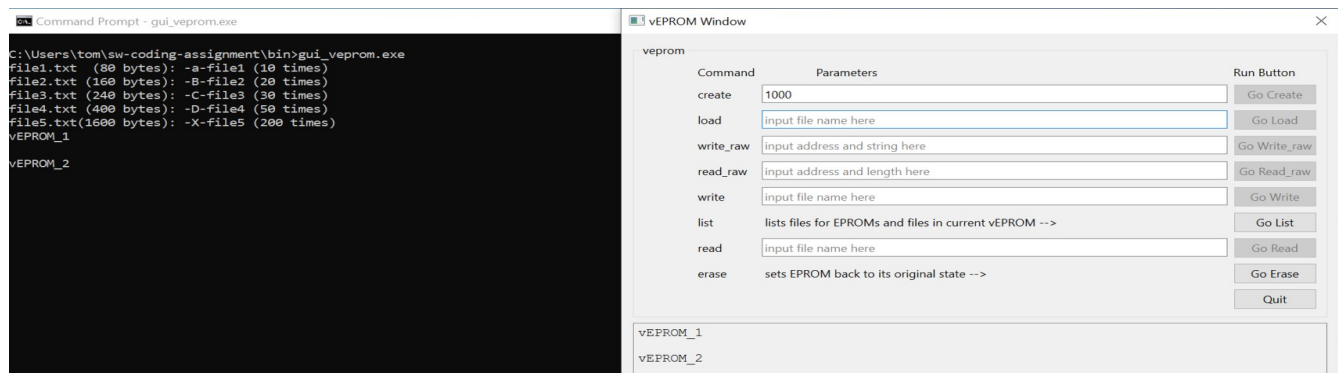
Expected: vEPROM_1 (file name for the first EPROM) displayed in gui Window and cmd terminal



b) create second EPROM with capacity of 1000k

Input 1000 in the parameters field for “create” command enabling "Go Create" button, and Click "Go Create" button

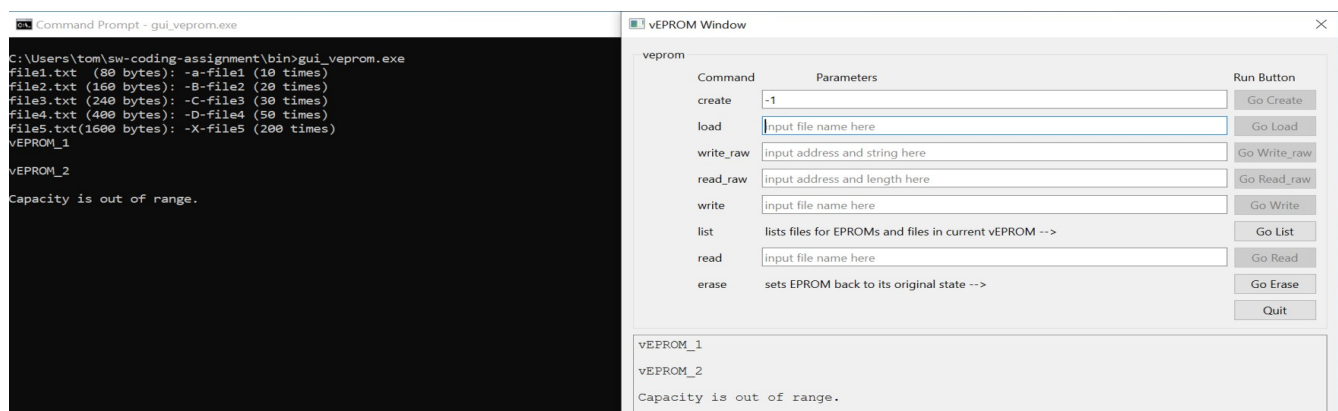
Expected: vEPROM_2 (file name for the second EPROM) displayed in gui Window and cmd terminal



c) create EPROM with capacity of -1k

Input -1 in the parameters field for “create” command enabling "Go Create" button, and Click "Go Create" button

Expected: “Capacity is out of range” displayed in gui Window and cmd terminal

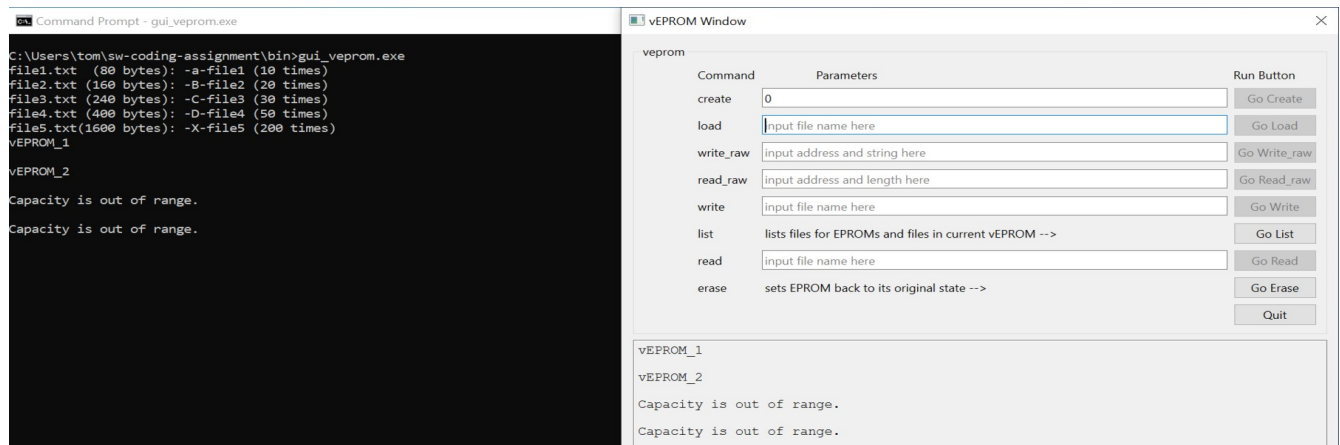


d) create EPROM with capacity of 0k

Input 0 in the parameters field for “create” command enabling "Go Create" button, and

Click "Go Create" button

Expected: “Capacity is out of range” displayed in gui Window and cmd terminal

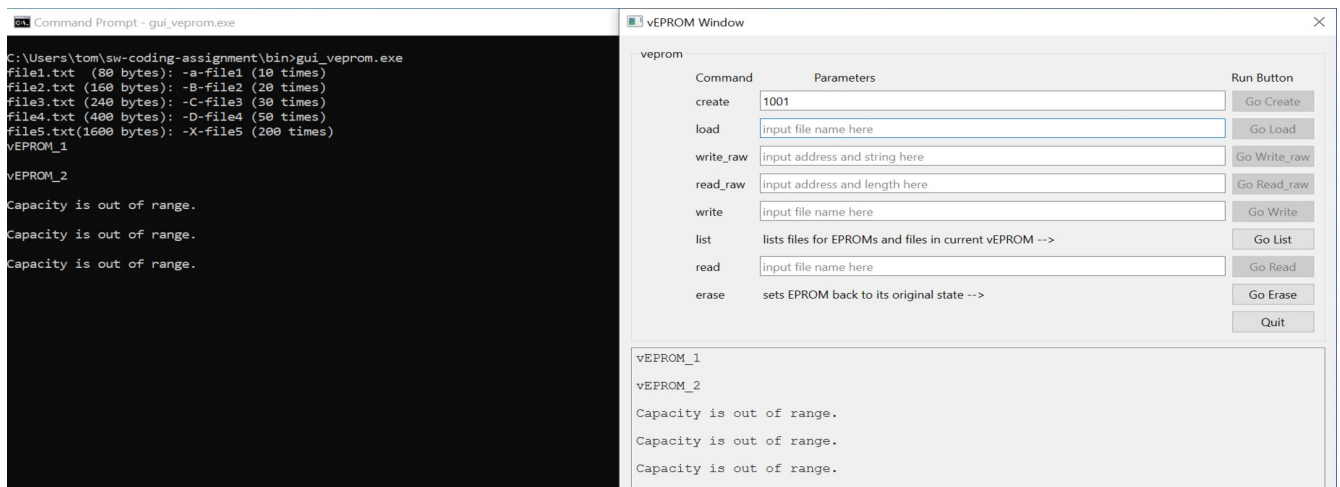


e) create EPROM with capacity of 1001k (note: MAX capacity is 1000k)

Input 1001 in the parameters field for “create” command enabling "Go Create" button, and

Click "Go Create" button

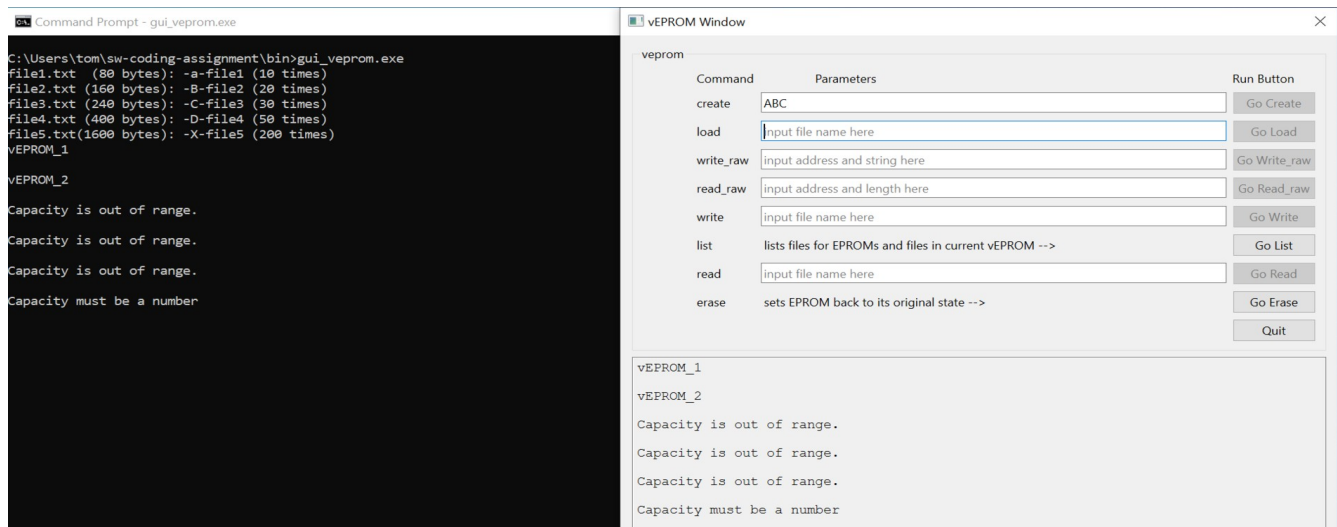
Expected: “Capacity is out of range” displayed in gui Window and cmd terminal



f) create EPROM with ABC

Input ABC in the parameters field for “create” command enabling "Go Create" button, and Click "Go Create" button

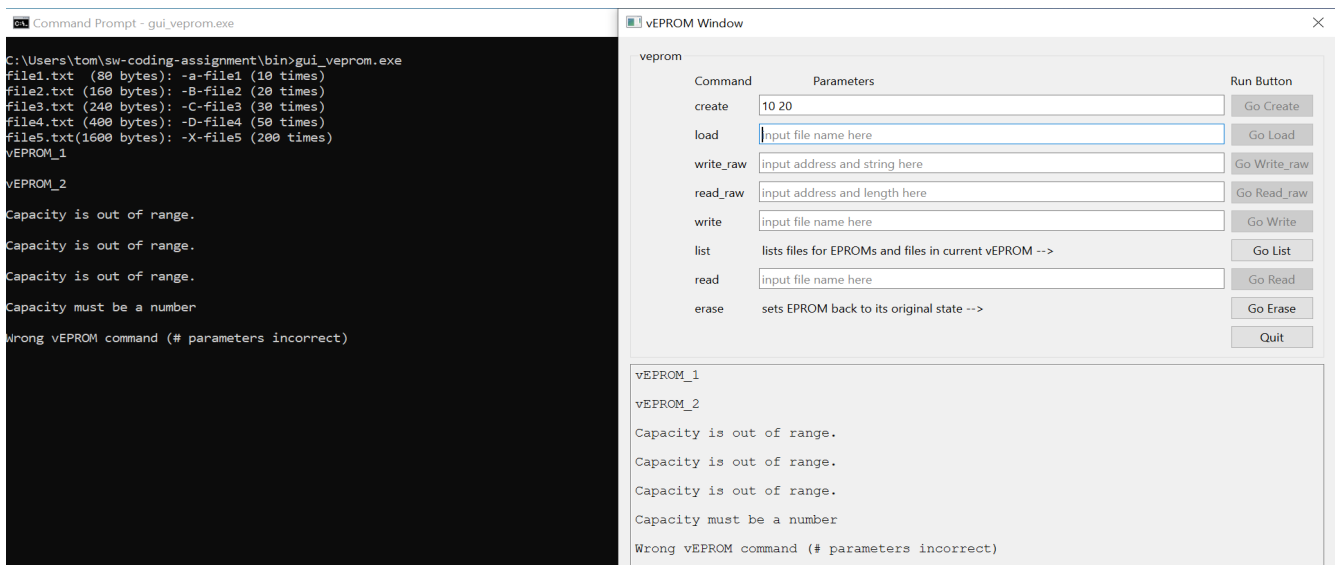
Expected: “Capacity must be a number” displayed in gui Window and cmd terminal



g) create EPROM with 10 20

Input 10 20 in the parameters field for “create” command enabling "Go Create" button, and Click "Go Create" button

Expected: “Wrong vEPROM command (# parameters incorrect)” displayed in gui Window and cmd terminal

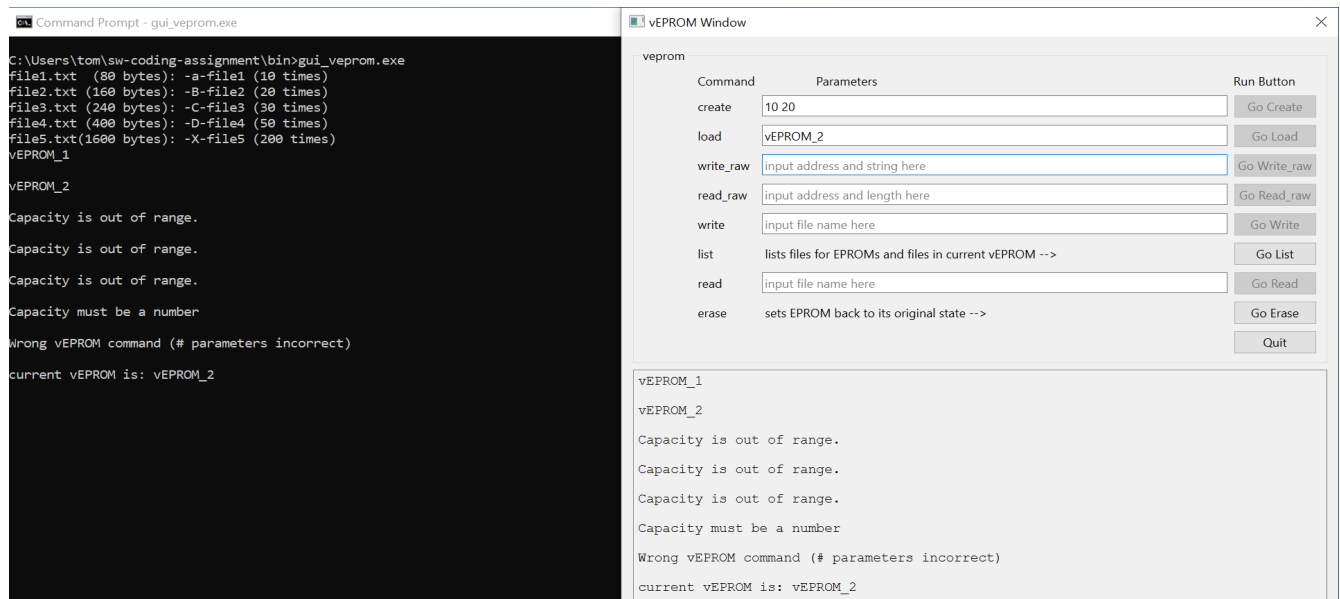


2) load eprom-file with vEPROM_2, vEPROM_20, vEPROM_1 ABC, 11

a) 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

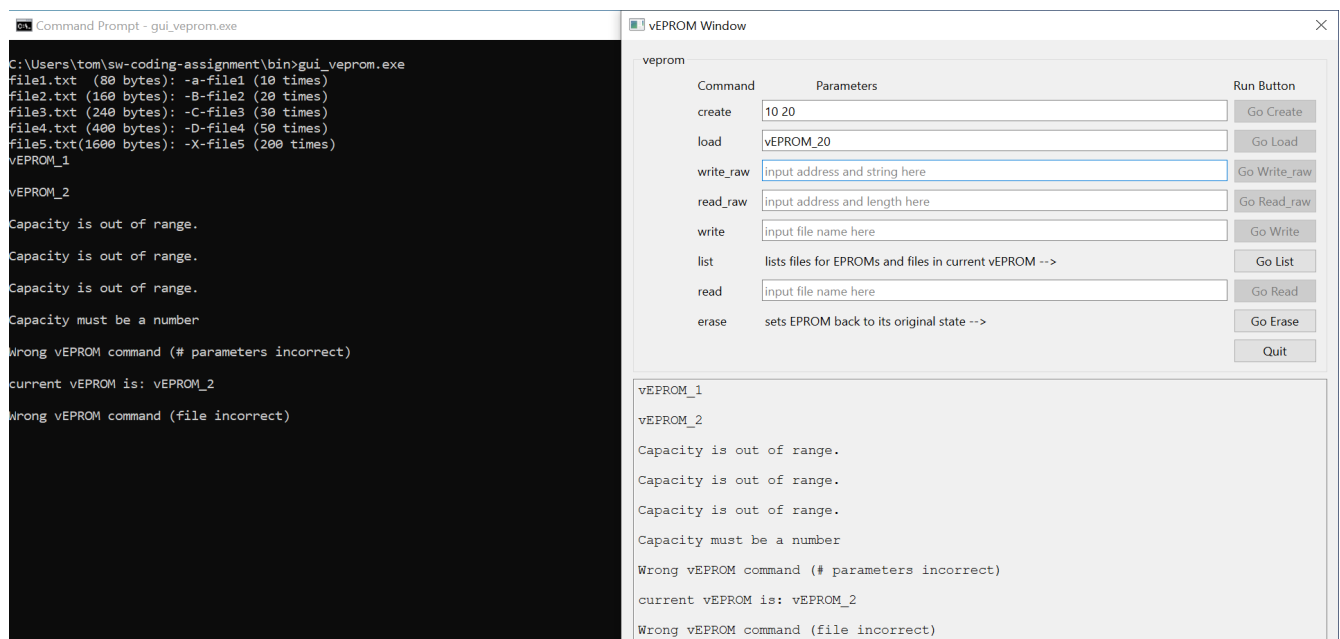
Expected: “current vEPROM is: vEPROM_2” displayed in gui Window and cmd terminal



b) select vEPROM_20 (not created) as current EPROM

Input vEPROM_20 in the parameters field for “load” command enabling “Go Load” button, and Click "Go Load" button

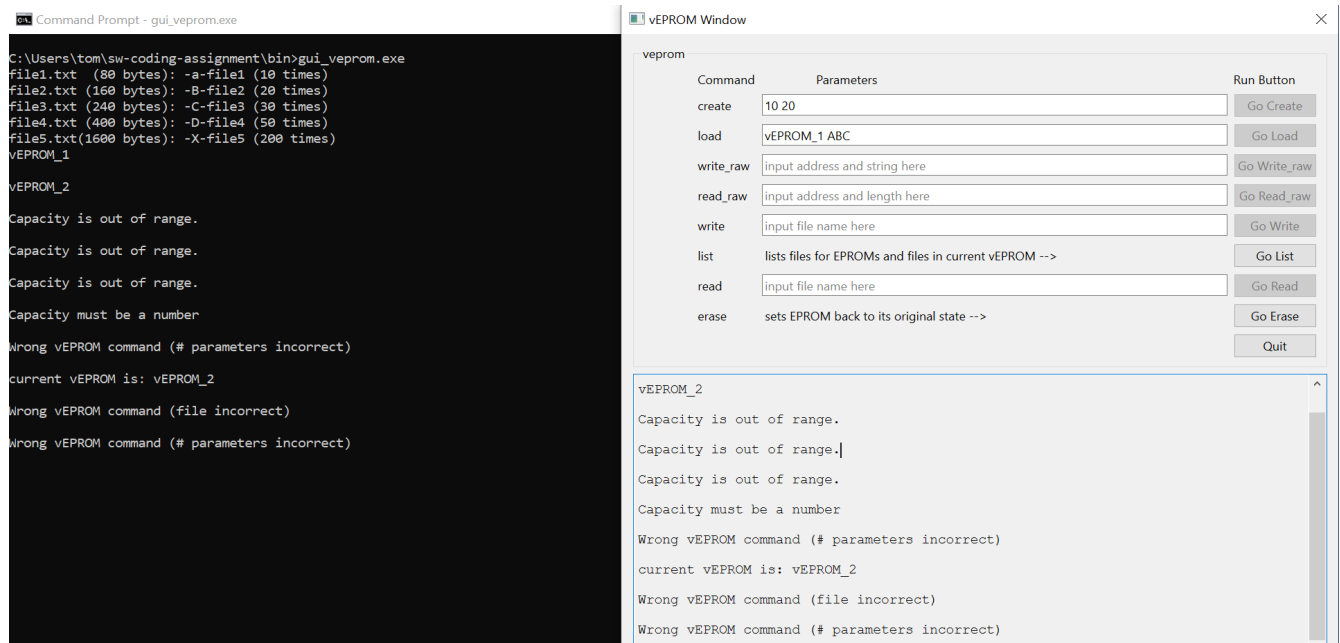
Expected: “Wrong vEPROM command (file incorrect)” displayed in gui Window and cmd terminal



c) select vEPROM_1 (created) + ABC as current EPROM

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

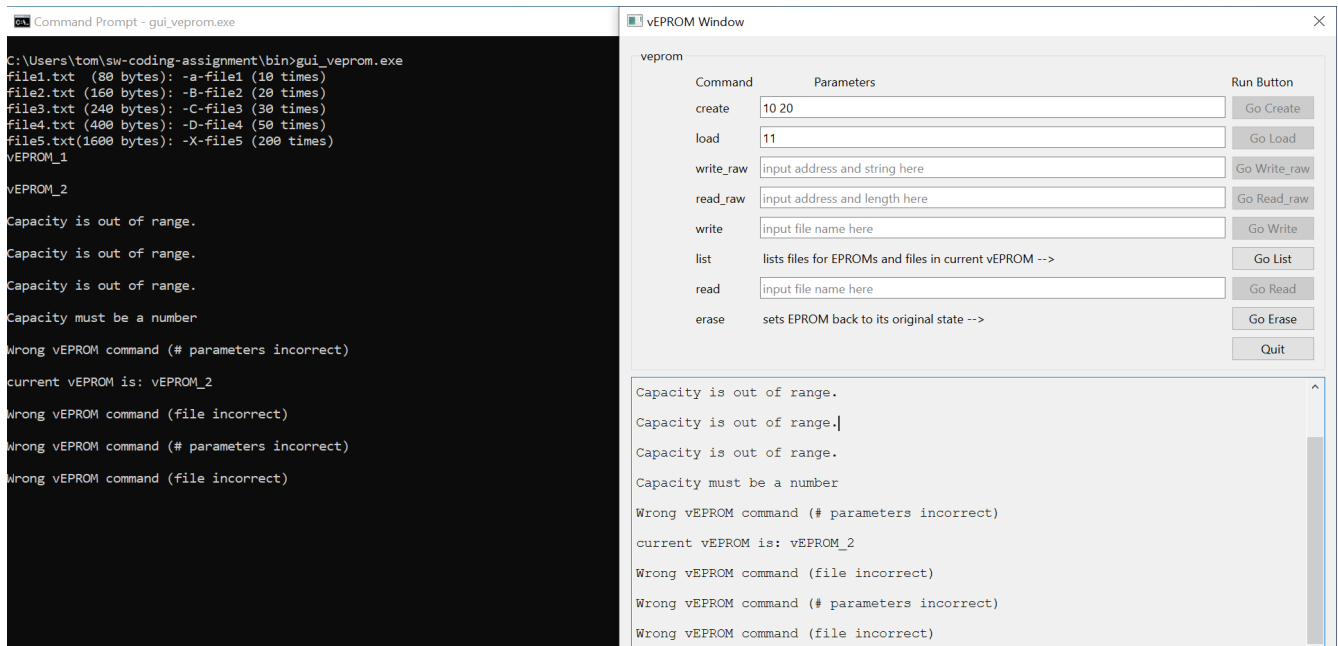
Expected: “Wrong vEPROM command (# parameters incorrect)” displayed in gui Window and cmd terminal



d) select 11 as current EPROM

Input 11 in the parameters field for “load” command enabling “Go Load” button, and Click "Go Load" button

Expected: “Wrong vEPROM command (file incorrect)” displayed in gui Window and cmd terminal

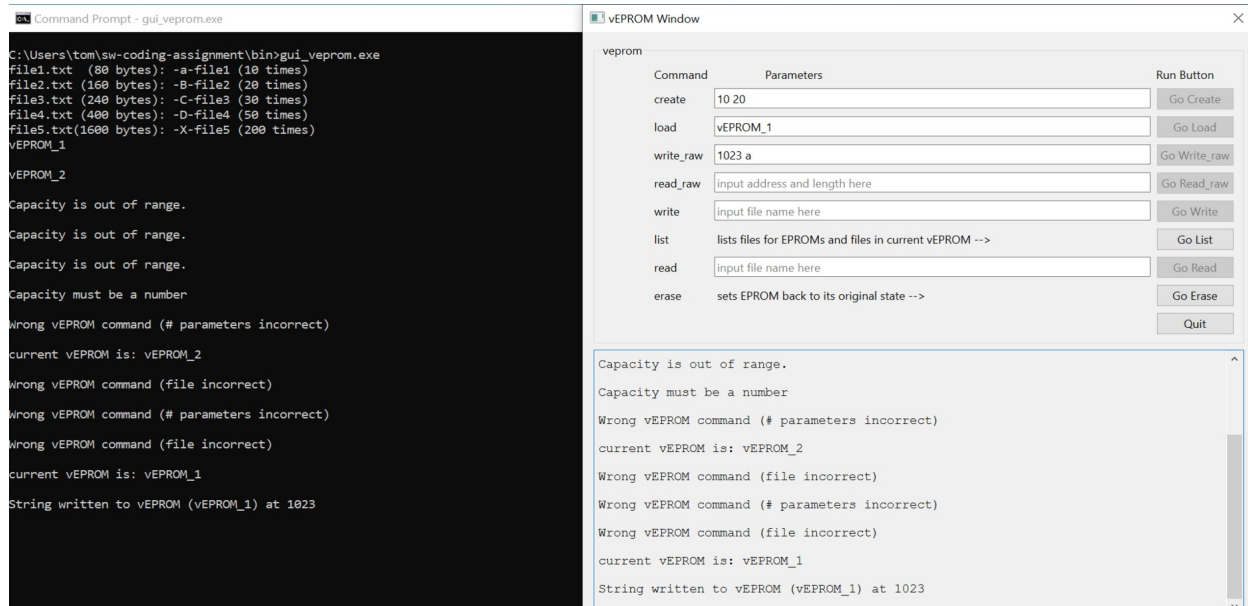


3) write_raw address string (to vEPROM_1 of 1k capacity) for 1023 a, 1023 XY, -10 XY, 10 XY ABC
a) select the first one (vEPROM_1) created as current EPROM and
write string a at 1023 (last byte of EPROM):

Input: “1023 a” 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 1023” displayed in gui Window and cmd terminal.

String a is written to the current EPROM (vEPROM_1) at 1023.

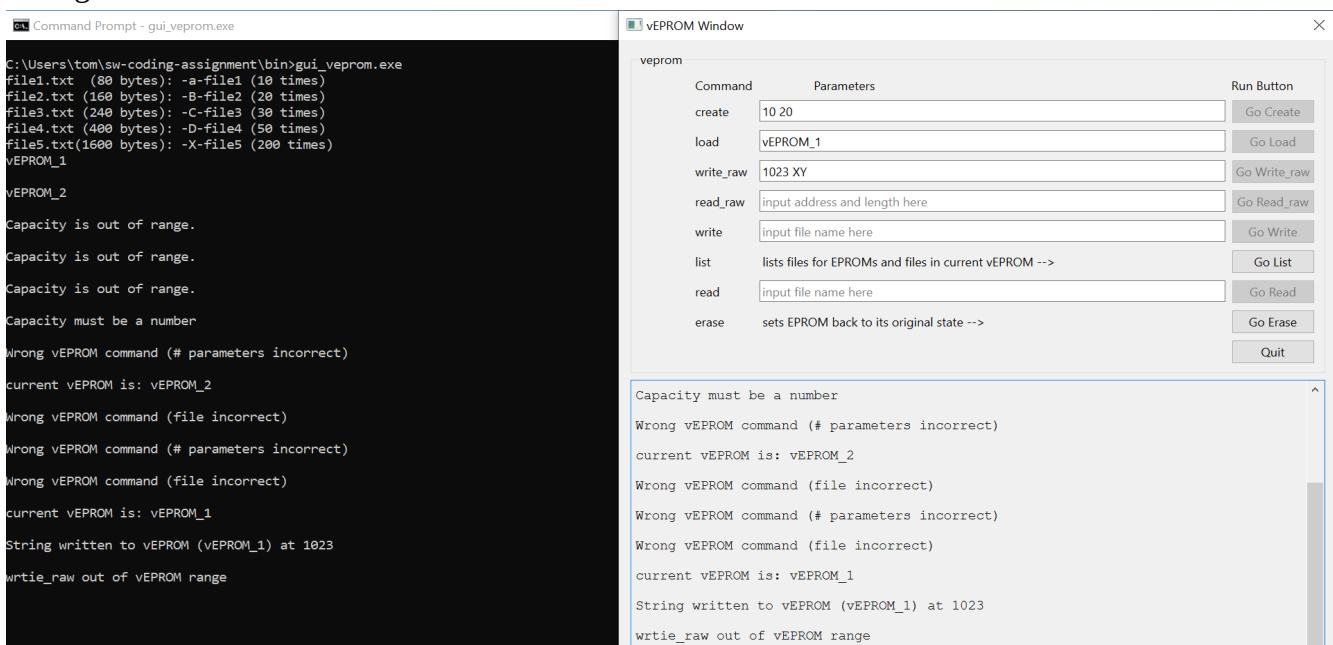


b) write string XY at 1023 (last byte of EPROM):

Input: “1023 XY” in the parameters field for “write_raw” command enabling “Go Write_raw”, and
Click "Go Write_raw" button

Expected: “write_raw out of vEPROM range” displayed in gui Window and cmd terminal.

String a is still at 1023.



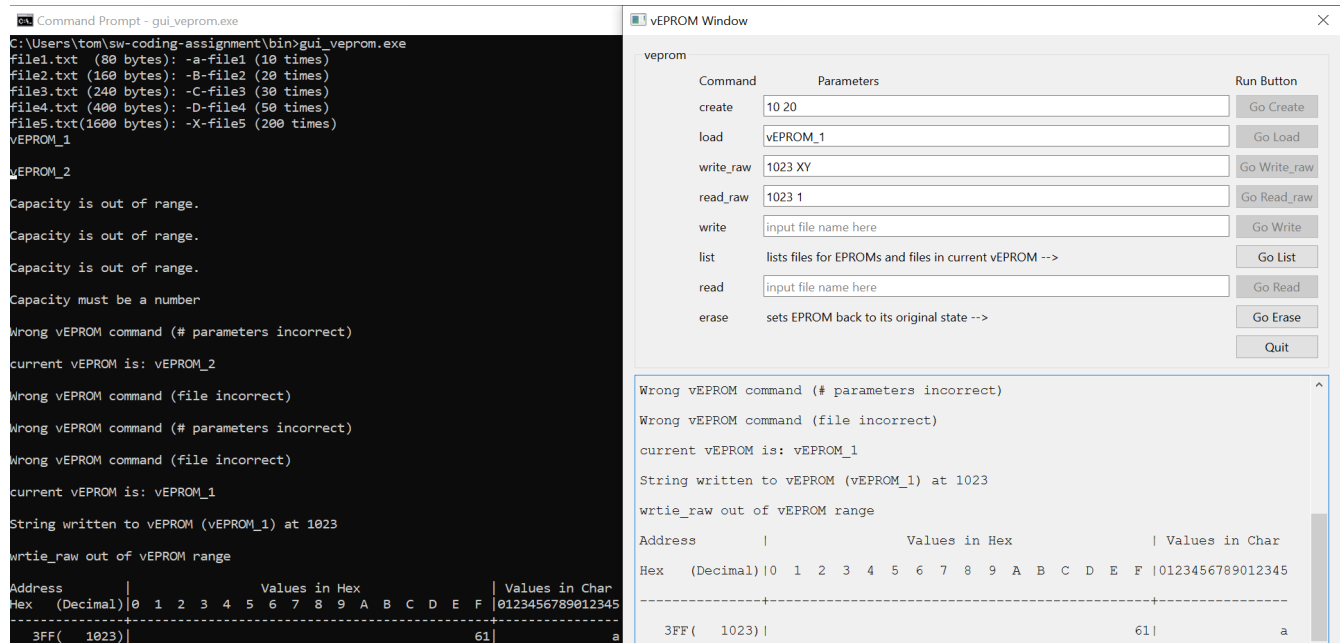
c) read 1 byte at address 1023 from the current EPROM (vEPROM_1)

Input “1023 1” in the parameters field for “read_raw” command enabling “Go Read_raw”, and

Click "Go Read_raw" button

Expected: 1 byte from address 1023 is displayed in Hex and Char.

String a at address 1023 is displayed in Hex and Char.



d) read 2 bytes at address 1023 from the current EPROM (vEPROM_1)

Input “1023 2” in the parameters field for “read_raw” command enabling “Go Read_raw”, and

Click "Go Read_raw" button

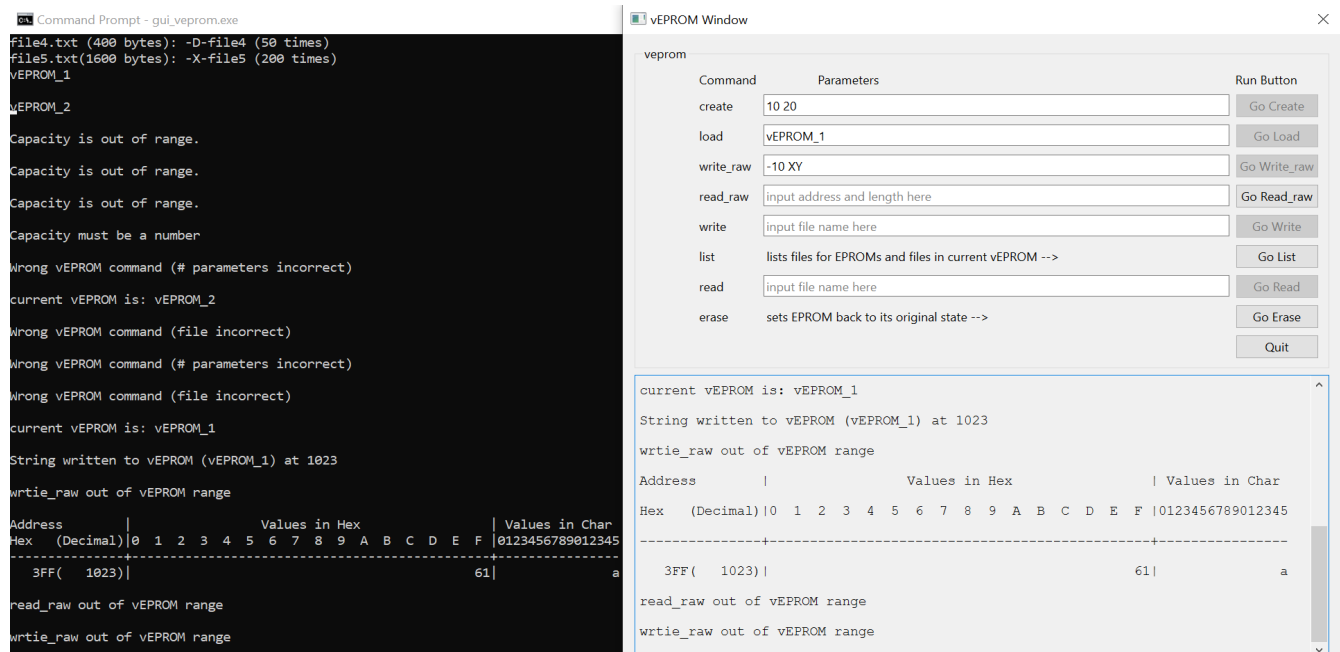
Expected: “read_raw out of vEPROM range” displayed in gui Window and cmd terminal.



e) write string XY at -10:

Input: “-10 XY” in the parameters field for “write_raw” command enabling “Go Write_raw”, and Click "Go Write_raw" button

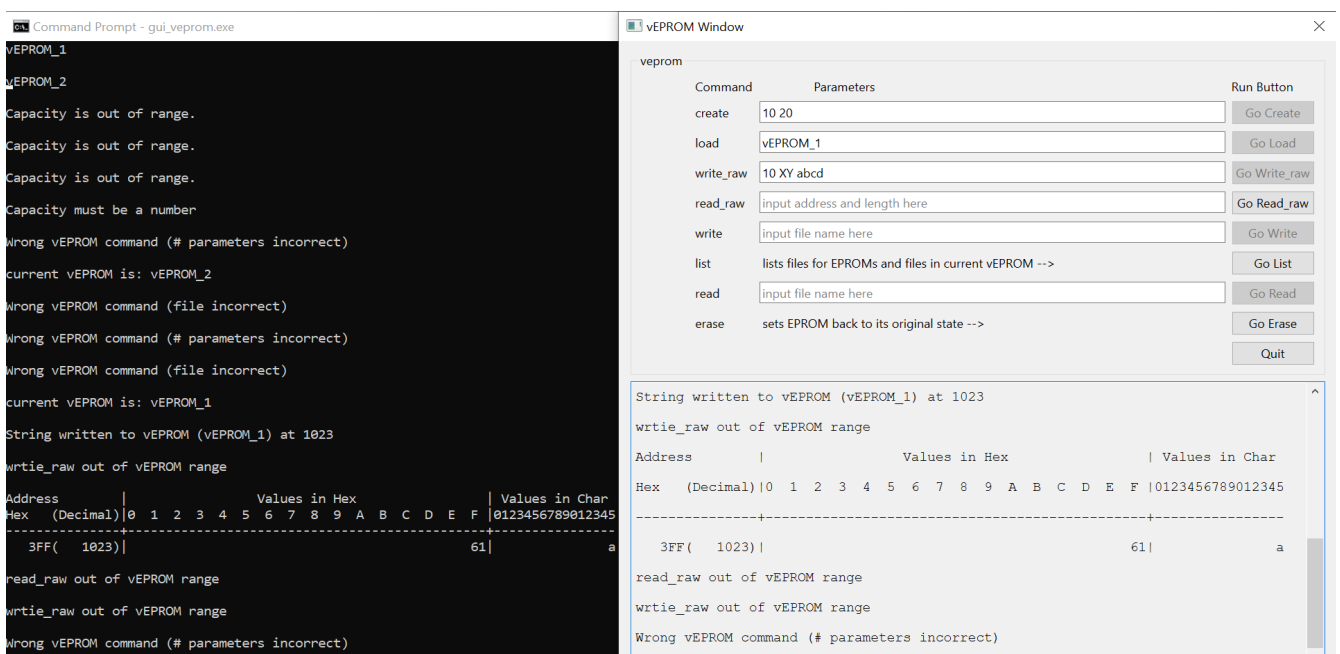
Expected: “write_raw out of vEPROM range” displayed in gui Window and cmd terminal.



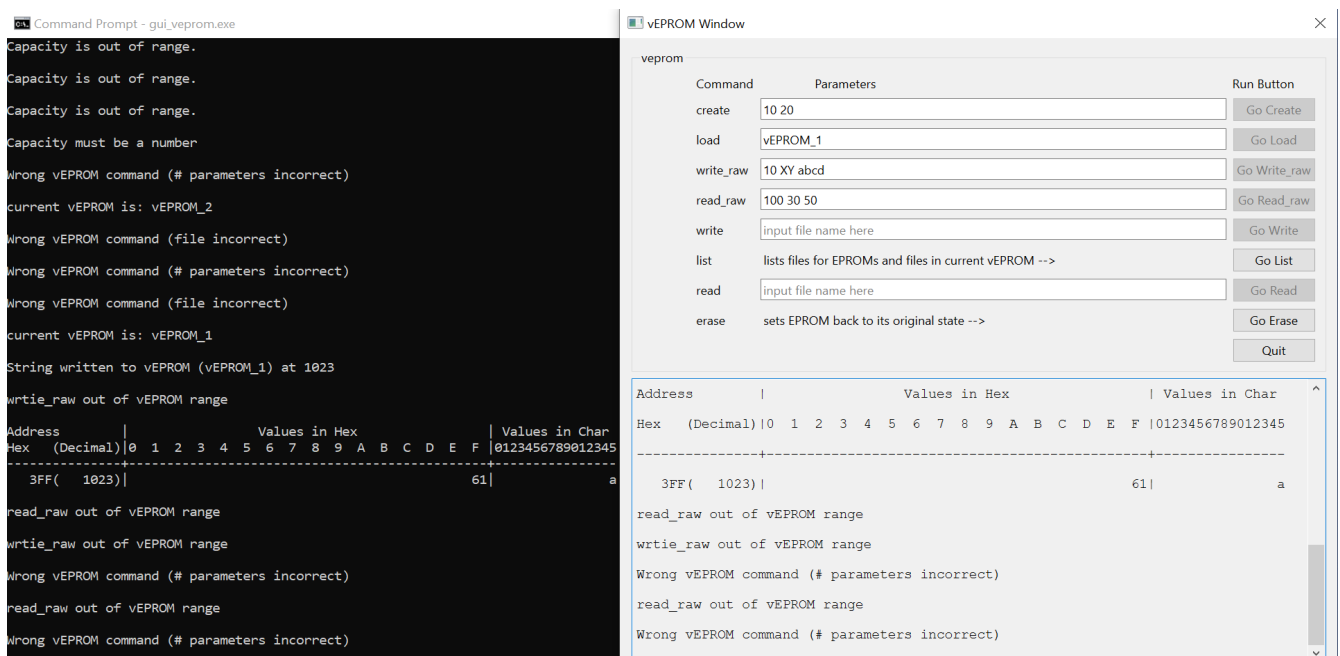
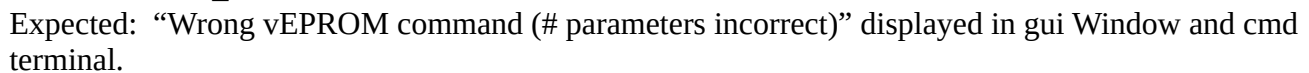
f) write string XY abcd at 10:

Input: “10 XY abcd” in the parameters field for “write_raw” command enabling “Go Write_raw”, and Click "Go Write_raw" button

Expected: “Wrong vEPROM command (# parameters incorrect)” displayed in gui Window and cmd terminal.



Expected: “read_raw out of vEPROM range” displayed in gui Window and cmd terminal.



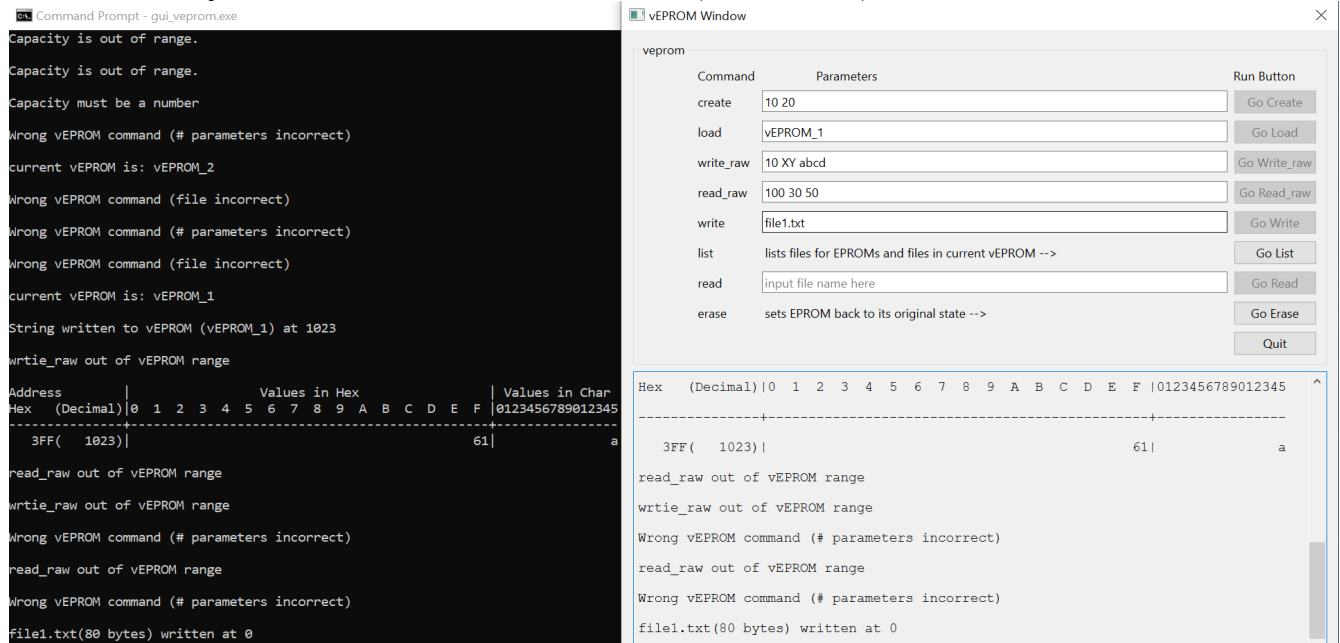
5) write file-name with file1.txt, fileabc.txt, file2.txt, file3.txt file4.txt

a) write file1.txt to the current EPROM (vEPROM_1)

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

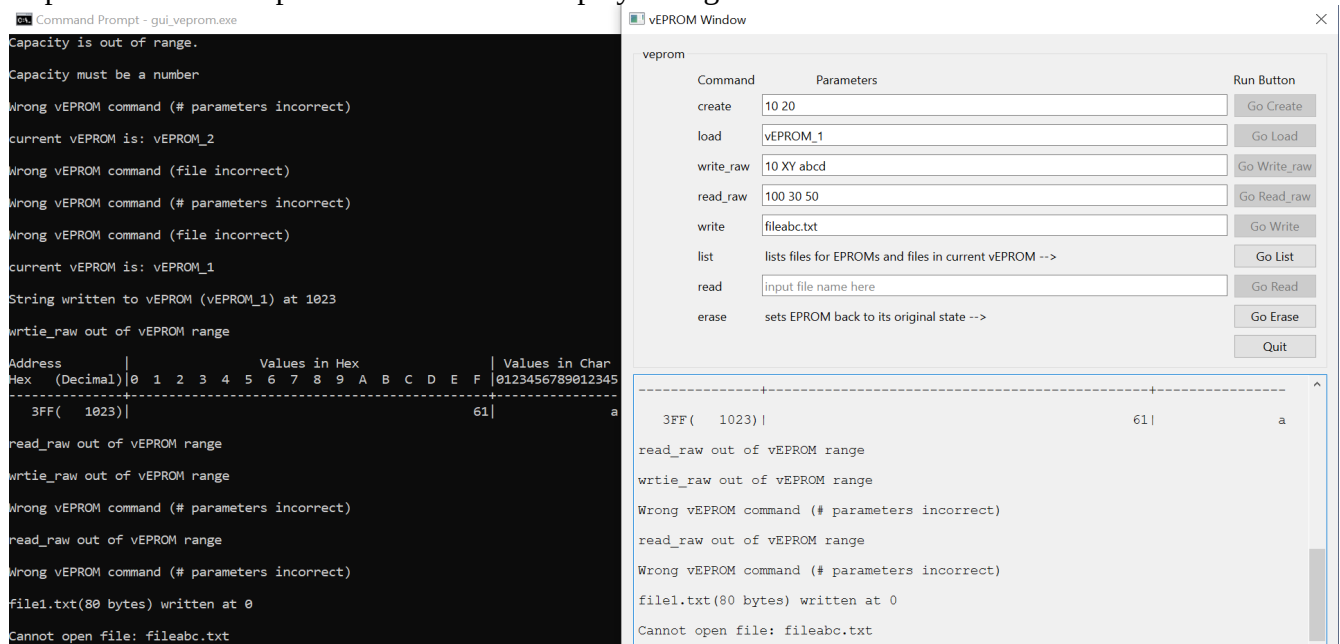
file1.txt of 80 bytes is written to the current EPROM (vEPROM_1) at 0



b) write fileabc.txt to the current EPROM (vEPROM_1)

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

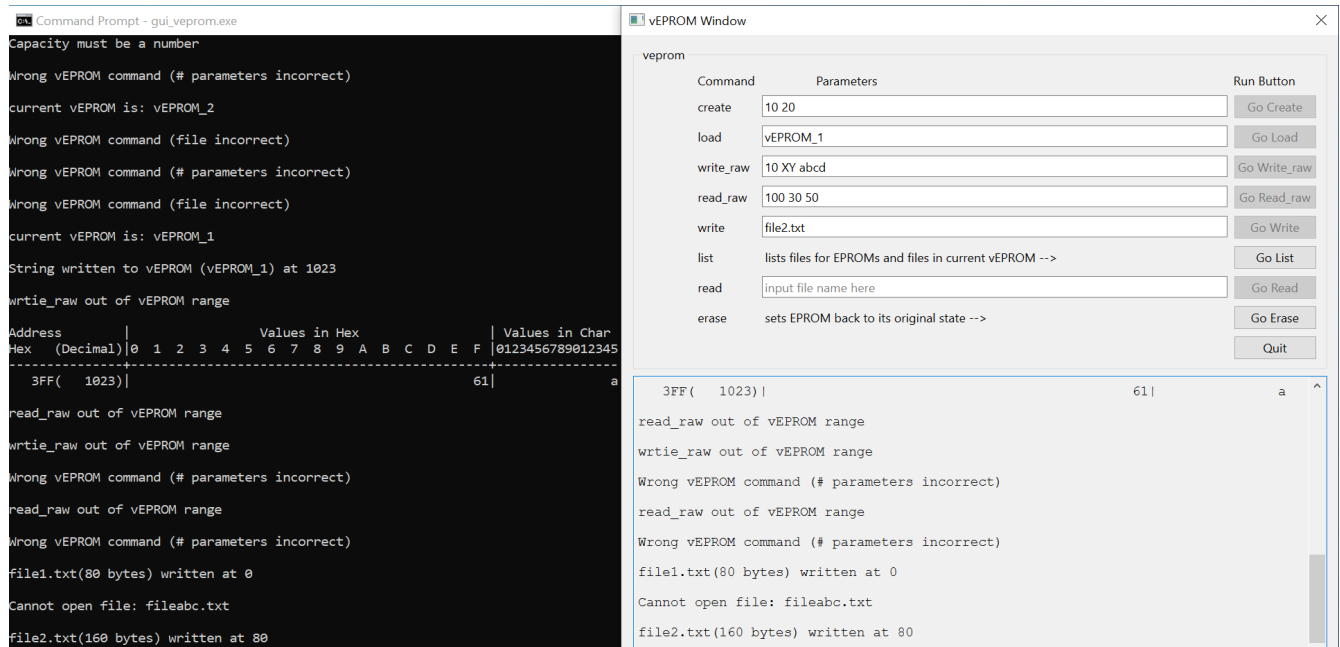
Expected: “Cannot open file: fileabc.txt” displayed in gui Window and cmd terminal



c) write file2.txt to the current EPROM (vEPROM_1)

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

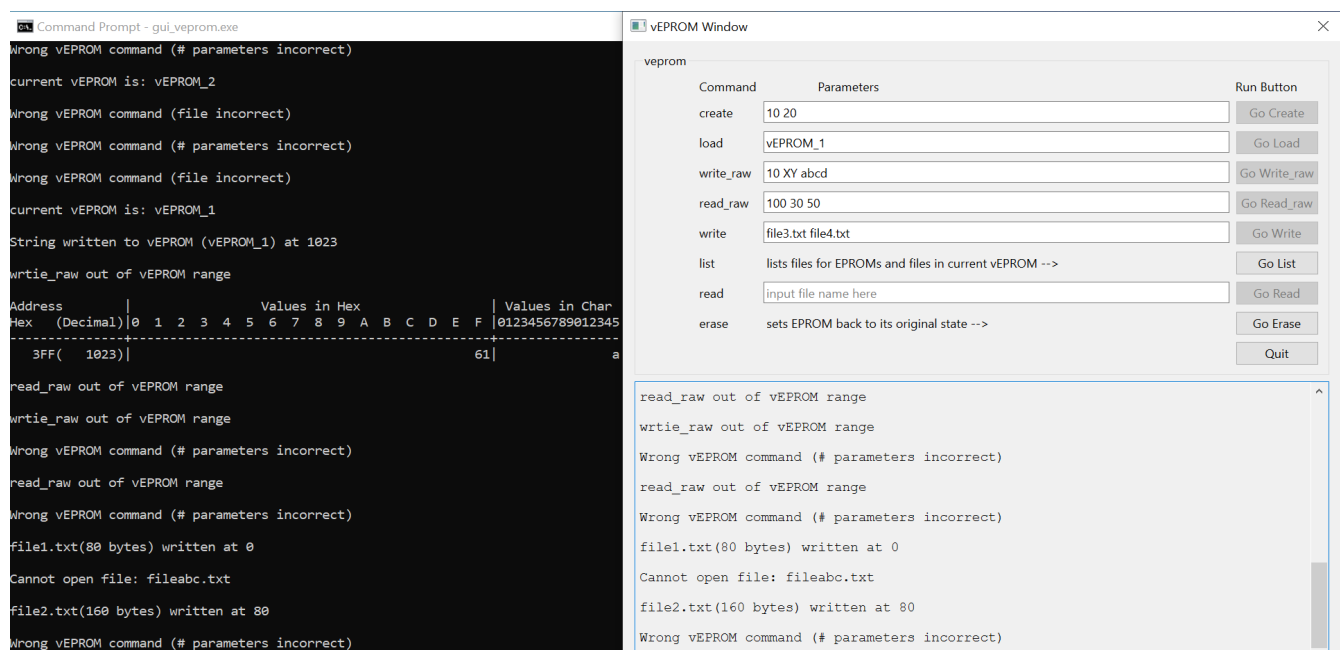
Expected: “file2.txt(160 bytes) written at 80” displayed in gui Window and cmd terminal
file2.txt of 160 bytes is written to the current EPROM (vEPROM_1) at 80



d) write file3.txt file4.txt to the current EPROM (vEPROM_1)

Input file3.txt file4.txt in the parameters field for “write” command enabling “Go Write” button, and Click "Go Write" button

Expected: “Wrong vEPROM command (# parameters incorrect)” displayed in gui Window and cmd terminal



6) read file-name for file1.txt, fileXYZ.txt, file1.txt file2.txt

a) read file1.txt from the current EPROM (vEPROM_1)

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

Expected: The contents of file1.txt (80 bytes) in vEPROM_1 displayed in gui Window and cmd terminal. file1.txt (80 bytes) starts at address 0. Each byte is displayed in Hex and Char from address 0 (0 in Hex) to 79 (4F in Hex).

The screenshot shows the vEPROM GUI and a Command Prompt window. The Command Prompt displays the execution of the 'read' command for file1.txt, showing the file's contents in hex and char format. The vEPROM GUI shows the 'read' command being executed, and the file's contents are displayed in the 'file1.txt(80 bytes) starts at address 0' window.

Command Prompt - gui_veprom.exe

```
current vEPROM is: vEPROM_1
String written to vEPROM (vEPROM_1) at 1023
write_raw out of vEPROM range
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
-----|-----|-----
3FF( 1023)|      61|a
read_raw out of vEPROM range
write_raw out of vEPROM range
Wrong vEPROM command (# parameters incorrect)
read_raw out of vEPROM range
Wrong vEPROM command (# parameters incorrect)
file1.txt(80 bytes) written at 0
Cannot open file: fileabc.txt
file2.txt(160 bytes) written at 80
Wrong vEPROM command (# parameters incorrect)
file1.txt(80 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 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
```

vEPROM Window

veprom

Command	Parameters	Run Button
create	10 20	Go Create
load	vEPROM_1	Go Load
write_raw	10 XY abcd	Go Write_raw
read_raw	100 30 50	Go Read_raw
write	file3.txt file4.txt	Go Write
list	lists files for EPROMs and files in current vEPROM -->	Go List
read	file1.txt	Go Read
erase	sets EPROM back to its original state -->	Go Erase
		Quit

file1.txt(80 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 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

b) read fileXYZ.txt from the current EPROM (vEPROM_1)

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

Expected: “File not in vEPROM” displayed in gui Window and cmd terminal.

The screenshot shows the vEPROM GUI and a Command Prompt window. The Command Prompt displays the execution of the 'read' command for fileXYZ.txt, resulting in an error message 'File not in vEPROM'. The vEPROM GUI shows the 'read' command being executed, and the error message is displayed in the 'file1.txt(80 bytes) starts at address 0' window.

Command Prompt - gui_veprom.exe

```
String written to vEPROM (vEPROM_1) at 1023
write_raw out of vEPROM range
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
-----|-----|-----
3FF( 1023)|      61|a
read_raw out of vEPROM range
write_raw out of vEPROM range
Wrong vEPROM command (# parameters incorrect)
read_raw out of vEPROM range
Wrong vEPROM command (# parameters incorrect)
file1.txt(80 bytes) written at 0
Cannot open file: fileabc.txt
file2.txt(160 bytes) written at 80
Wrong vEPROM command (# parameters incorrect)
file1.txt(80 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 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
File not in vEPROM
```

vEPROM Window

veprom

Command	Parameters	Run Button
create	10 20	Go Create
load	vEPROM_1	Go Load
write_raw	10 XY abcd	Go Write_raw
read_raw	100 30 50	Go Read_raw
write	file3.txt file4.txt	Go Write
list	lists files for EPROMs and files in current vEPROM -->	Go List
read	fileXYZ.txt	Go Read
erase	sets EPROM back to its original state -->	Go Erase
		Quit

file1.txt(80 bytes) starts at address 0

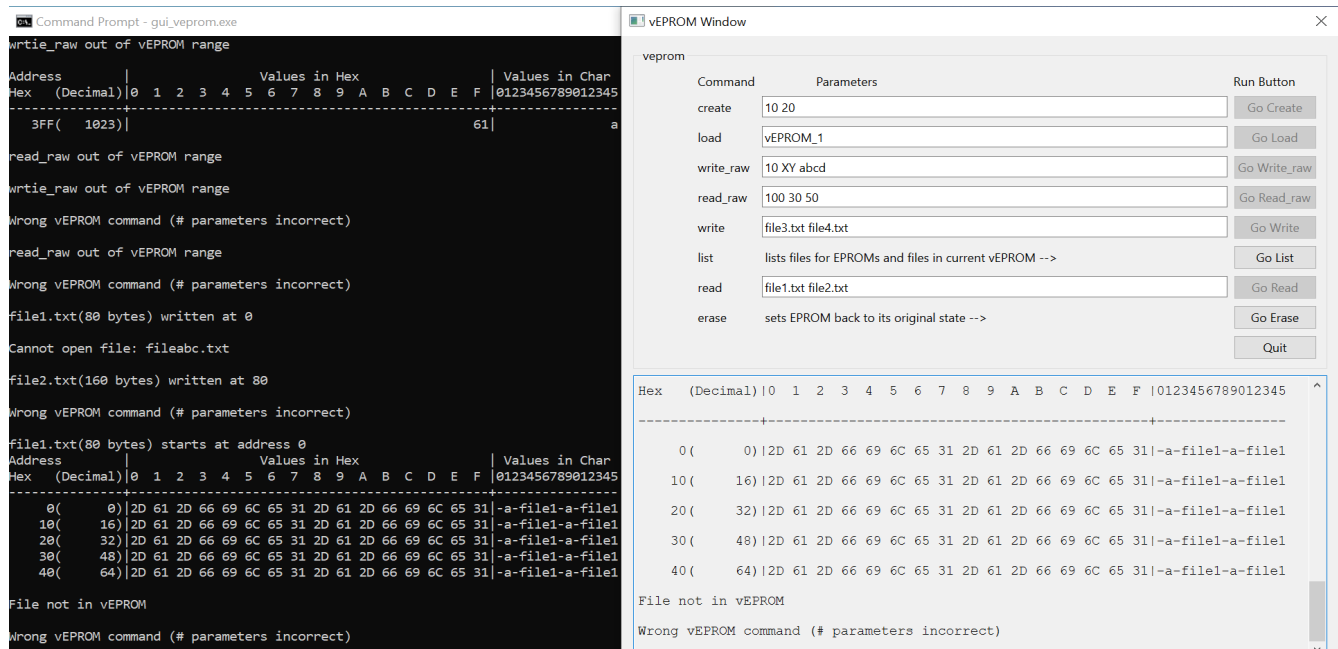
Address	Values in Hex	Values in Char
Hex (Decimal)	0 1 2 3 4 5 6 7 8 9 A B C D E F	0123456789012345
0(0)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
10(16)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
20(32)	2D 61 2D 66 69 6C 65 31 2D 61 2D 66 69 6C 65 31	-a-file1-a-file1
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

File not in vEPROM

c) read file1.txt file2.txt from the current EPROM (vEPROM_1)

Input file1.txt file2.txt in the parameters field for “read” command enabling “Go Read” button, and Click "Go Read" button

Expected: “Wrong vEPROM command (# parameters incorrect)” displayed in gui Window and cmd terminal.



d) list files in the current EPROM (vEPROM_1)

Click "Go List" button

Expected: “Files written to EPROM (vEPROM_1): file1.txt(80 bytes) file2.txt(160 bytes)” displayed in gui Window and cmd terminal

