

1) Launch cli_veeprom.exe in cmd terminal

Expected results:

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

```
[cmd] Command Prompt  
C:\Users\tom\sw-coding-assignment\bin>cli_veeprom.exe
```

```
[cmd] Command Prompt - cli_veeprom.exe  
C:\Users\tom\sw-coding-assignment\bin>cli_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)  
Enter a vEPROM command:
```

2) create first EPROM with capacity of 1k

Input: veprom create 1

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

```
[cmd] Command Prompt - cli_veeprom.exe  
C:\Users\tom\sw-coding-assignment\bin>cli_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)  
Enter a vEPROM command:  
veeprom create 1  
vEPROM_1  
Enter a vEPROM command:
```

3) create second EPROM with capacity of 2k

Input: veprom create 2

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

```
[cmd] Command Prompt - cli_veeprom.exe  
C:\Users\tom\sw-coding-assignment\bin>cli_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)  
Enter a vEPROM command:  
veeprom create 1  
vEPROM_1  
Enter a vEPROM command:  
veeprom create 2  
vEPROM_2  
Enter a vEPROM command:
```

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

Input: veprom load vEPROM_2

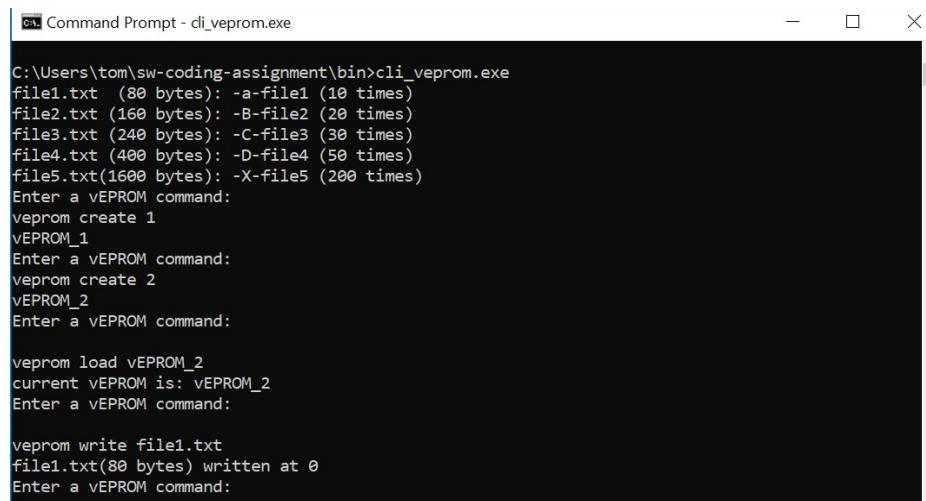
Expected: “current vEPROM is: vEPROM_2” displayed in cmd terminal

```
[cmd] Command Prompt - cli_veeprom.exe  
C:\Users\tom\sw-coding-assignment\bin>cli_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)  
Enter a vEPROM command:  
veeprom create 1  
vEPROM_1  
Enter a vEPROM command:  
veeprom create 2  
vEPROM_2  
Enter a vEPROM command:  
  
veeprom load vEPROM_2  
current vEPROM is: vEPROM_2  
Enter a vEPROM command:
```

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

Input: veprom write file1.txt

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



```
C:\Users\tom\sw-coding-assignment\bin>cli_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)
Enter a vEPROM command:
veeprom create 1
vEPROM_1
Enter a vEPROM command:
veeprom create 2
vEPROM_2
Enter a vEPROM command:

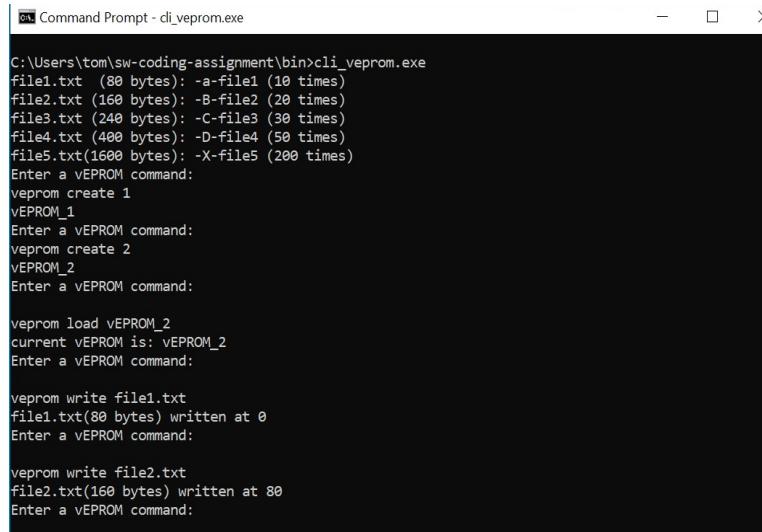
veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:

veeprom write file1.txt
file1.txt(80 bytes) written at 0
Enter a vEPROM command:
```

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

Input: veprom write file2.txt

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



```
C:\Users\tom\sw-coding-assignment\bin>cli_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)
Enter a vEPROM command:
veeprom create 1
vEPROM_1
Enter a vEPROM command:
veeprom create 2
vEPROM_2
Enter a vEPROM command:

veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:

veeprom write file1.txt
file1.txt(80 bytes) written at 0
Enter a vEPROM command:

veeprom write file2.txt
file2.txt(160 bytes) written at 80
Enter a vEPROM command:
```

7) list files in the current EPROM (vEPROM_2)

Input: veprom list

Expected: “Files written to EPROM (vEPROM_2): file1.txt(80 bytes) file2.txt(160 bytes)” displayed

```
C:\Users\tom\sw-coding-assignment\bin>cli_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)
Enter a vEPROM command:
veeprom create 1
vEPROM_1
Enter a vEPROM command:
veeprom create 2
vEPROM_2
Enter a vEPROM command:

veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:

veeprom write file1.txt
file1.txt(80 bytes) written at 0
Enter a vEPROM command:

veeprom write file2.txt
file2.txt(160 bytes) written at 80
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)
Enter a vEPROM command:
```

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

Input: veprom read file2.txt

Expected: The contents of file2.txt (160 bytes) in vEPROM_2 displayed. 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).

```
veeprom create 2
vEPROM_2
Enter a vEPROM command:

veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:

veeprom write file1.txt
file1.txt(80 bytes) written at 0
Enter a vEPROM command:

veeprom write file2.txt
file2.txt(160 bytes) written at 80
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)
Enter a vEPROM command:

veeprom read file2.txt
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
Enter a vEPROM command:
```

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

Input: veprom read_raw 0 300

Expected: 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 '.'.

Address Hex (Decimal)	Values in Hex	Values in Char
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
Enter a vEPROM command:		
eprom read_raw 0 300		
Address Hex (Decimal)	Values in Hex	Values in Char
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
100(256)	0 0
110(272)	0 0
120(288)	0 0
Enter a vEPROM command:		

10) write "A B C" at address 10 to the current EPROM (vEPROM_2)

Input: veprom write_raw 10 "A B C"

Expected: "String written to vEPROM (vEPROM_2) at 10" displayed and

String "A B C" is written to the current EPROM (vEPROM_2) at 10.

Address Hex (Decimal)	Values in Hex	Values in Char
112(204)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
128(224)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
144(240)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
160(256)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
176(272)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
192(288)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
208(304)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
224(320)	2D 42 2D 66 69 6C 65 32 2D 42 2D 66 69 6C 65 32	-B-file2-B-file2
Enter a vEPROM command:		
eprom read_raw 0 300		
Address Hex (Decimal)	Values in Hex	Values in Char
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
100(256)	0 0
110(272)	0 0
120(288)	0 0
Enter a vEPROM command:		
eprom write_raw 10 "A B C"		
String written to vEPROM (vEPROM_2) at 10		
Enter a vEPROM command:		

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

Input: veprom read_raw 10 30

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.

```
Command Prompt - cli_veeprom.exe

veeprom read_raw 0 300
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 0|.....
100( 256)|0 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 0|.....
120( 288)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0|.....
Enter a vEPROM command:

veeprom write_raw 10 "A B C"
String written to vEPROM (vEPROM_2) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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 31|      A B C1
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|-a-file1
Enter a vEPROM command:
```

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

Input: veprom load vEPROM_1

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

```
Command Prompt - cli_veeprom.exe

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 0|.....
100( 256)|0 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 0|.....
120( 288)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0|.....
Enter a vEPROM command:

veeprom write_raw 10 "A B C"
String written to vEPROM (vEPROM_2) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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 31|      A B C1
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|-a-file1
Enter a vEPROM command:

veeprom load vEPROM_1
current vEPROM is: vEPROM_1
Enter a vEPROM command:
```

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

Input: veprom write file3.txt

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

```
Command Prompt - cli_veeprom.exe
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 |.....|
Enter a vEPROM command:
veeprom write_raw 10 "A B C"
String written to vEPROM (vEPROM_2) at 10
Enter a vEPROM command:
veeprom read_raw 10 30
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 31 | A B C1
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 |·a-file1
Enter a vEPROM command:
veeprom load vEPROM_1
current vEPROM is: vEPROM_1
Enter a vEPROM command:
veeprom write file3.txt
file3.txt(240 bytes) written at 0
Enter a vEPROM command:
```

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

Input: veprom write file4.txt

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

```
Command Prompt - cli_veeprom.exe
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 |.....|
Enter a vEPROM command:
veeprom write_raw 10 "A B C"
String written to vEPROM (vEPROM_2) at 10
Enter a vEPROM command:
veeprom read_raw 10 30
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 31 | A B C1
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 |·a-file1
Enter a vEPROM command:
veeprom load vEPROM_1
current vEPROM is: vEPROM_1
Enter a vEPROM command:
veeprom write file3.txt
file3.txt(240 bytes) written at 0
Enter a vEPROM command:
veeprom write file4.txt
file4.txt(400 bytes) written at 240
Enter a vEPROM command:
```

15) list files in the current EPROM (vEPROM_1)

Input: veprom list

Expected: “Files written to EPROM (vEPROM_1): file3.txt(240 bytes) file4.txt(400 bytes)” displayed

```
Command Prompt - cl_eprom.exe
D6( 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|.....|
Enter a vEPROM command:

veeprom write_raw 10 "A B C"
String written to vEPROM (vEPROM_2) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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 31| A B C1
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| -a-file1
Enter a vEPROM command:

veeprom load vEPROM_1
current vEPROM is: vEPROM_1
Enter a vEPROM command:

veeprom write file3.txt
file3.txt(240 bytes) written at 0
Enter a vEPROM command:

veeprom write file4.txt
file4.txt(400 bytes) written at 240
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_1
Files written to EPROM (vEPROM_1): file3.txt(240) file4.txt(400)
Enter a vEPROM command:
```

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

Input: veprom read file3.txt

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

```
Command Prompt - cl_eprom.exe
file3.txt(240 bytes) written at 0
Enter a vEPROM command:

veeprom write file4.txt
file4.txt(400 bytes) written at 240
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_1
Files written to EPROM (vEPROM_1): file3.txt(240) file4.txt(400)
Enter a vEPROM command:

veeprom read file3.txt
File not in vEPROM
Enter a vEPROM command:

veeprom read file3.txt
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
Enter a vEPROM command:
```

17) write XYZABCDEFG at address 10 to the current EPROM (vEPROM_1)

Input: veprom write_raw 10 XYZABCDEFG

Expected: “String written to vEPROM (vEPROM_1) at 10” displayed.

String XYZABCDEFG is written to the current EPROM (vEPROM_1) at 10.

```
Command Prompt - cli_veprom.exe
file4.txt(400 bytes) written at 240
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_1
Files written to EPROM (vEPROM_1): file3.txt(240) file4.txt(400)
Enter a vEPROM command:

veeprom read file3.txtv
File not in vEPROM
Enter a vEPROM command:

veeprom read file3.txt
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
Enter a vEPROM command:

veeprom write_raw 10 XYZABCDEFG
String written to vEPROM (vEPROM_1) at 10
Enter a vEPROM command:
```

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

Input: veprom read_raw 10 30

Expected: Each byte of the 30 bytes from address 10 is displayed in Hex and Char

String XYZABCDEFG at address 10 is displayed in Hex and Char.

```
Command Prompt - cli_veprom.exe
veeprom read file3.txtv
File not in vEPROM
Enter a vEPROM command:

veeprom read file3.txt
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
Enter a vEPROM command:

veeprom write_raw 10 XYZABCDEFG
String written to vEPROM (vEPROM_1) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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)|58 59 5A 41 42 43|XYZABC
  10(  16)|44 45 46 47 69 6C 65 33 2D 43 2D 66 69 6C 65 33|DEFGfile3-C-file3
  20(  32)|2D 43 2D 66 69 6C 65 33|-C-file3
Enter a vEPROM command:
```

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

Input: veprom load vEPROM_2

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

```
Command Prompt - cli_veeprom.exe

veeprom read file3.txt
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
Enter a vEPROM command:

veeprom write_raw 10 XYZABCDEFG
String written to vEPROM (vEPROM_1) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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)|      58 59 5A 41 42 43| XYZABC
  10(  16)|44 45 46 47 69 6C 65 33 2D 43 2D 66 69 6C 65 33|DEFGile3-C-file3
  20(  32)|2D 43 2D 66 69 6C 65 33|C-file3
Enter a vEPROM command:

veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:
```

20) list files in the current EPROM (vEPROM_2)

Input: veprom list

Expected: “Files written to EPROM (vEPROM_2): file1.txt(80 bytes) file2.txt(160 bytes)” displayed.

```
Command Prompt - cli_veeprom.exe

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
Enter a vEPROM command:

veeprom write_raw 10 XYZABCDEFG
String written to vEPROM (vEPROM_1) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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)|      58 59 5A 41 42 43| XYZABC
  10(  16)|44 45 46 47 69 6C 65 33 2D 43 2D 66 69 6C 65 33|DEFGile3-C-file3
  20(  32)|2D 43 2D 66 69 6C 65 33|C-file3
Enter a vEPROM command:

veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)
Enter a vEPROM command:
```

21) erase the current EPROM (vEPROM_2)

Input: veprom erase

Expected: "Current EPROM is set to its original state" displayed. The current EPROM (vEPROM_2) is set to its original state.

```
[-] Command Prompt - cli_veeprom.exe

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

Enter a vEPROM command:

veeprom write_raw 10 XYZABCDEFG
String written to vEPROM (vEPROM_1) at 10
Enter a vEPROM command:

veeprom read_raw 10 30
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)|           58 59 5A 41 42 43|XYZABC
10( 16)|44 45 46 47 48 69 6C 65 33 2D 43 2D 66 69 6C 65 33|DEFfile3-C-file3
20( 32)|2D 43 2D 66 69 6C 65 33                                         |-C-file3

Enter a vEPROM command:

veeprom load vEPROM_2
current vEPROM is: vEPROM_2
Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)
Enter a vEPROM command:

veeprom erase
Current EPROM is set to its original state
Enter a vEPROM command:
```

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

Input: veprom read_raw 0 300

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

23) list files in the current EPROM (vEPROM_2)

Input: veprom list

Expected: “Files written to EPROM (vEPROM_2): ” displayed.

```
Command Prompt - cli_veeprom.exe
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2): file1.txt(80) file2.txt(160)
Enter a vEPROM command:

veeprom erase
Current EPROM is set to its original state
Enter a vEPROM command:

veeprom read_raw 0 300
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)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
10( 16)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
20( 32)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
30( 48)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
40( 64)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
50( 80)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
60( 96)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
70(112)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
80(128)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
90(144)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
A0(160)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
B0(176)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
C0(192)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
D0(208)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
E0(224)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
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 |..... .

Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2):
Enter a vEPROM command:
```

24) read 3000 bytes at address 300 from the current EPROM (vEPROM_2)

Input: veprom read_raw 300 3000

Expected: “read_raw out of vEPROM range” displayed.

```
Command Prompt - cli_veeprom.exe
Current EPROM is set to its original state
Enter a vEPROM command:

veeprom read_raw 0 300
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)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
10( 16)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
20( 32)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
30( 48)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
40( 64)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
50( 80)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
60( 96)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
70(112)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
80(128)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
90(144)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
A0(160)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
B0(176)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
C0(192)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
D0(208)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
E0(224)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |..... .
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 |..... .

Enter a vEPROM command:

veeprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2):
Enter a vEPROM command:

veeprom read_raw 300 3000
read_raw out of vEPROM range
Enter a vEPROM command:
```

25) exit from Emulator

Input: quit

Expected: cmd prompt

```
cmd Command Prompt
veprom read_raw 0 300
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)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
10(    16)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
20(    32)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
30(    48)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
40(    64)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
50(   80)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
60(   96)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
70(  112)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
80(  128)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
90(  144)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
A0(  160)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
B0(  176)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
C0(  192)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
D0(  208)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
E0(  224)|0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |.....
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 |.....
```

Enter a vEPROM command:

```
veprom list
vEPROM_1
vEPROM_2
Current vEPROM file is: vEPROM_2
Files written to EPROM (vEPROM_2):
Enter a vEPROM command:
```

```
veprom read_raw 300 3000
read_raw out of vEPROM range
Enter a vEPROM command:
```

```
quit

C:\Users\tom\sw-coding-assignment\bin>
```