```
1 C:\Users\simeo\CLionProjects\CKi\Realisation\cmake-
   build-debug\Realisation.exe
 2
 3 Training...
 4 Reading MNIST data...
 5 Training...
 6 0.705522
 7 0.672272
 8 0.64545
 9 0.614961
10 0.613681
11 0.593714
12 0.60053
13 0.589577
14 0.589176
15 0.596101
16 0.579566
17 0.56656
18 0.563306
19 0.56085
20 0.555995
21 0.554122
22 0.555564
23 0.557941
24 0.541579
25 0.552191
26 0.546511
27 0.532304
28 0.532132
29 0.527877
30 0.522865
31 0.518577
32 0.517558
33 0.513755
34 0.510874
35 0.508497
36 0.500657
37 0.501815
38 0.499138
39 0.495604
40 0.492547
```

```
41 0.490822
42 0.485677
43 0.483373
44 0.479926
45 0.477827
46 0.473483
47 0.470715
48 0.468576
49 0.46537
50 0.463363
51 0.460774
52 0.45866
53 0.459
54 0.455207
55 0.45364
56 0.45084
57 0.447919
58 0.447254
59 0.446592
60 0.449855
61 0.442545
62 0.448203
63 0.446769
64 0.444576
65 0.442022
66 0.439419
67 0.43645
68 0.433674
69 0.430722
70 0.429411
71 0.426984
72 0.425409
73 0.423446
74 0.42124
75 0.419404
76 0.417608
77 0.415507
78 0.413017
79 0.410969
80 0.409093
81 0.407303
```

```
82 0.405641
 83 0.40386
 84 0.401938
 85 0.40004
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 88 0.394792
 89 0.393145
 90 0.391508
 91 0.38942
 92 0.388136
 93 0.386617
 94 0.385239
 95 0.38377
 96 0.381959
 97 0.38046
 98 0.378542
 99 0.376808
100 0.375382
101 0.374167
102 0.372782
103 0.370964
104 0.369772
105 0.368455
106 0.366914
107 0.365666
108 0.363923
109 0.362424
110 0.360715
111 0.359246
112 0.357791
113 0.356545
114 0.355358
115 0.354087
116 0.352798
117 0.351654
118 0.35049
119 0.349099
120 0.34772
121 0.346482
122 0.345056
```

```
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132 0.33285
133 0.331751
134 0.330425
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136 0.328109
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149 0.31328
150 0.312189
151 0.311176
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154 0.308186
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156 0.30598
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```
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187 0.275565
188 0.274708
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192 0.27106
193 0.270286
194 0.269346
195 0.268433
196 0.267508
197 0.266592
198 0.265765
199 0.264772
200 0.26377
201 0.262818
202 0.262001
203 0.261014
204 0.260137
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226 0.241926
227 0.241104
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232 0.237195
233 0.236478
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266 0.212929
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```

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```

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1014 0.0330057
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1018 0.0324656
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59994 0.000421437
59995 -0.0015096
59996 -0.001649
59997 -0.00158635
59998 -0.00179979
59999 -0.00173634
60000 0.0209847
60001 -0.0020232
60002 -0.00215559
60003 -0.00194761
60004 -0.00219403
60005 -0.00211144
60006 Saving weights...
60007 Done!
80008
60009 Testing...
60010 Reading MNIST data...
60011 Testing...
60012 Accuracy: 0.2416
60013 Done!
60014
60015 Process finished with exit code 0
60016
```