

```

1 #include "pch.h"
2
3
4 CActionApp
5
6 CActionApp
7
8     return
9
10
11 int         int argc  char  argv
12
13         "The Action! Compiler for the 6502 Ver 1.0.1\n"
14         argc  argv
15
16         stderr "Done\n"
17
18
19 //-----
20 // Action App Class
21 //-----
22
23 CActionApp
24
25         0
26         0
27         0
28         0
29         0
30         0
31         0
32         0
33
34
35 CActionApp
36
37     if         delete
38     if         delete
39     if         delete
40     if         delete
41
42
43
44 bool CActionApp         int argc  char  argv
45
46     //-----
47     // parse the command line
48     //
49     // Command line format:

```

```

50 // action65 <source file> options
51 //
52 // options:
53 // -L <log file name>
54 // -O <object file output
55 // -B <binary file output for burning rom>
56 //-----
57
58 int
59 int 0
60
61 if argc 1
62
63     stderr "Usage:\n"
64     stderr "action65 <source file> options\n"
65     stderr "Options:\n"
66     stderr "-L <Log File Name>\n"
67     stderr "-B <Binary File Name>\n"
68     stderr "-O <Object File Name>\n"
69
70 else
71
72     for 1 argc
73
74         if 1
75
76             //-----
77             // this had better be
78             // the input source
79             // file
80             //-----
81             argv 1
82             new char
83             argv
84
85             else if argv 0 '-'
86
87                 switch argv 1
88
89                     case 'L'
90
91                         argv 1
92                         new char
93                         argv
94                         break
95                     case 'O'
96
97                         argv 1
98                         new char

```

```

99                                     argv
100                                 break
101                             case 'B'
102
103                                     argv          1
104                                     new char
105                                     argv
106                                 break
107
108
109
110
111                             return true
112
113
114 bool CActionApp
115
116                             bool          false
117
118
119
120                             return
121
122
123 bool CActionApp
124
125                             bool          false
126                             errno_t
127
128                             if
129
130                                     "r"
131
132                                     if          0
133                                     true
134                                     else
135                                     stderr "Could not open %s\n"
136                                     1
137
138
139                             return
140
141
142 bool CActionApp
143
144                             bool          false
145                             errno_t
146
147                             if

```

```
148
149         "w"
150     if      0
151         true
152     else
153
154         stderr "Unable to open %s as the log file\n"
155
156
157     return
158
159
160 bool CActionApp
161
162     bool      false
163     errno_t
164
165     if
166
167         "wb"
168     if      0
169         true
170
171     return
172
173
174 bool CActionApp
175
176     bool      false
177     errno_t
178
179     if
180
181         "wb"
182     if      0
183         true
184
185     return
186
187
188 void CActionApp
189
190     if
191
192         0
193
194
195 void CActionApp
```

```

196
197     if
198
199         0
200
201
202 void CActionApp
203
204     if
205
206         0
207
208
209 void CActionApp
210
211     if
212
213         0
214
215
216 void CActionApp
217
218
219
220
221
222
223
224 char CActionApp          char s int Indent int c
225
226     int
227
228     for      0      Indent
229         s      c
230     s      0
231     return s
232
233
234
235 void CActionApp
236     FILE pOut
237     char pMem
238     unsigned StartAddress
239     unsigned Size
240
241
242     unsigned      0
243     bool          false
244     char          new char 256

```

```

245     char        64
246     int
247     char        10
248     int
249
250         8      0
251     while
252
253         0
254         256 "%04X "      StartAddress
255     if      Size      0
256
257         true
258
259     else
260
261         if      Size      8
262             Size
263         else
264             8
265         for      0
266
267             256
268             "%02X " unsigned pMem      0x0ff
269
270         if      8
271
272             8      3
273             ' '
274             256 "%S"
275
276         for      0
277
278             pMem
279             if      0x20
280                 ' '
281             else if      0x7f
282                 ' '
283
284
285             pOut "%s %s\n"
286             8
287
288
289     delete
290
291

```