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 1 ******************************************************
 2 *  PROGRAMMED BY : ALI ESHGHI
 3 *  CLASS         : CS1B
 4 *  SECTION       : MW: 7:30p – 9:50p
 5 *  LAB #13       : LAB 13 – ARRAYS AND LINKED LIST (OOP)
 6 ******************************************************
 7
 8 ************************************
 9 * WELCOME TO THE SHEEP LIST MANAGER *
10 ************************************
11
12 SHEEP LIST MANAGER
13 1 – Add Sheep
14 2 – Output 1st Sheep
15 3 – Find Sheep
16 4 – List Size
17 5 – Output List
18 6 – Clear list
19 0 – Exit
20 Enter a command: 1
21 Sheep name: Fluffy
22 Sheep Age:  1
23
24
25 The Sheep...
26 Sheep Name: Fluffy
27 Sheep Age:  1
28 Has been added
29
30 SHEEP LIST MANAGER
31 1 – Add Sheep
32 2 – Output 1st Sheep
33 3 – Find Sheep
34 4 – List Size
35 5 – Output List
36 6 – Clear list
37 0 – Exit
38 Enter a command: 2
39 NAME            AGE
40 -------------- ---
41 Fluffy           1
42
43
44 Is at the front of the list!
45
46 SHEEP LIST MANAGER
47 1 – Add Sheep
48 2 – Output 1st Sheep
49 3 – Find Sheep
50 4 – List Size
51 5 – Output List
52 6 – Clear list
53 0 – Exit
54 Enter a command: 1
55 Sheep name: Maa
```

```
56 Sheep Age:   3
57
58
59 The Sheep...
60 Sheep Name: Maa
61 Sheep Age:   3
62 Has been added
63
64 SHEEP LIST MANAGER
65 1 — Add Sheep
66 2 — Output 1st Sheep
67 3 — Find Sheep
68 4 — List Size
69 5 — Output List
70 6 — Clear list
71 0 — Exit
72 Enter a command: 4
73 There are 2 sheeps in the list
74
75 SHEEP LIST MANAGER
76 1 — Add Sheep
77 2 — Output 1st Sheep
78 3 — Find Sheep
79 4 — List Size
80 5 — Output List
81 6 — Clear list
82 0 — Exit
83 Enter a command: 5
84 <output using the array>
85 NAME            AGE
86 -------------- ---
87 Fluffy          1
88 Maa             3
89
90
91 <output using the linked list>
92 NAME            AGE
93 -------------- ---
94 Fluffy          1
95 Maa             3
96 There are 2 sheeps in the list
97
98 SHEEP LIST MANAGER
99 1 — Add Sheep
100 2 — Output 1st Sheep
101 3 — Find Sheep
102 4 — List Size
103 5 — Output List
104 6 — Clear list
105 0 — Exit
106 Enter a command: 1
107 Sheep name: Baa Baa
108 Sheep Age:   2
109
110
```

```
111 The Sheep...
112 Sheep Name: Baa Baa
113 Sheep Age:  2
114 Has been added
115
116 SHEEP LIST MANAGER
117 1 — Add Sheep
118 2 — Output 1st Sheep
119 3 — Find Sheep
120 4 — List Size
121 5 — Output List
122 6 — Clear list
123 0 — Exit
124 Enter a command: 5
125 <output using the array>
126 NAME            AGE
127 -------------- ---
128 Fluffy          1
129 Maa             3
130 Baa Baa         2
131
132
133 <output using the linked list>
134 NAME            AGE
135 -------------- ---
136 Fluffy          1
137 Maa             3
138 Baa Baa         2
139 There are 3 sheeps in the list
140
141 SHEEP LIST MANAGER
142 1 — Add Sheep
143 2 — Output 1st Sheep
144 3 — Find Sheep
145 4 — List Size
146 5 — Output List
147 6 — Clear list
148 0 — Exit
149 Enter a command: 4
150 There are 3 sheeps in the list
151
152 SHEEP LIST MANAGER
153 1 — Add Sheep
154 2 — Output 1st Sheep
155 3 — Find Sheep
156 4 — List Size
157 5 — Output List
158 6 — Clear list
159 0 — Exit
160 Enter a command: 3
161 Who are you looking for? Baa Baa
162
163 NAME            AGE
164 -------------- ---
165
```

```
166 Baa Baa          2
167
168 Has Been Found!
169
170 SHEEP LIST MANAGER
171 1 — Add Sheep
172 2 — Output 1st Sheep
173 3 — Find Sheep
174 4 — List Size
175 5 — Output List
176 6 — Clear list
177 0 — Exit
178 Enter a command: 6
179
180 The list has been cleared!
181
182 SHEEP LIST MANAGER
183 1 — Add Sheep
184 2 — Output 1st Sheep
185 3 — Find Sheep
186 4 — List Size
187 5 — Output List
188 6 — Clear list
189 0 — Exit
190 Enter a command: 6
191
192 The list is empty
193
194 SHEEP LIST MANAGER
195 1 — Add Sheep
196 2 — Output 1st Sheep
197 3 — Find Sheep
198 4 — List Size
199 5 — Output List
200 6 — Clear list
201 0 — Exit
202 Enter a command: 5
203
204 The list is empty
205
206
207 SHEEP LIST MANAGER
208 1 — Add Sheep
209 2 — Output 1st Sheep
210 3 — Find Sheep
211 4 — List Size
212 5 — Output List
213 6 — Clear list
214 0 — Exit
215 Enter a command: 4
216
217 The list is empty
218
219
220 SHEEP LIST MANAGER
```

```
221 1 — Add Sheep
222 2 — Output 1st Sheep
223 3 — Find Sheep
224 4 — List Size
225 5 — Output List
226 6 — Clear list
227 0 — Exit
228 Enter a command: 3
229
230 There are no sheep to be found!
231
232 SHEEP LIST MANAGER
233 1 — Add Sheep
234 2 — Output 1st Sheep
235 3 — Find Sheep
236 4 — List Size
237 5 — Output List
238 6 — Clear list
239 0 — Exit
240 Enter a command: 2
241 Nobody is in front —the list is empty!
242
243 SHEEP LIST MANAGER
244 1 — Add Sheep
245 2 — Output 1st Sheep
246 3 — Find Sheep
247 4 — List Size
248 5 — Output List
249 6 — Clear list
250 0 — Exit
251 Enter a command: 7
252
253 **** The number 7 is an invalid entry    ****
254 **** Please input a number between 0 or 6 ****
255
256 SHEEP LIST MANAGER
257 1 — Add Sheep
258 2 — Output 1st Sheep
259 3 — Find Sheep
260 4 — List Size
261 5 — Output List
262 6 — Clear list
263 0 — Exit
264 Enter a command: 0
265
266
```