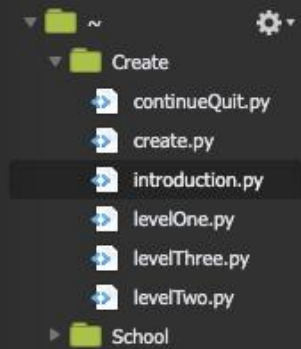


create.py x +

```
1 #Create.py is a maze game that allows to to collect different letters on different levels
2
3 import introduction
4 import levelOne
5 import levelTwo
6 import levelThree
7 import continueQuit
8
9 #introduction
10 introduction.intro()
11
12 #Level one instructions and game
13 levelOne.one()
14
15 print("CONGRADULATIONS! You collected 4/4 letters!")
16 print("You've passed LEVEL ONE!")
17 print("")
18
19 continueQuit.contQuit()
20
21 #level two instructions and game
22 levelTwo.two()
23
24 print("CONGRADULATIONS! You collected 6/6 letters!")
25 print("You've passed LEVEL TWO!")
26 print("")
27 print("")
28
29 continueQuit.contQuit()
30
31 #level three instructions and game
32 levelThree.three()
33
34 print("CONGRADULATIONS! You collected 9/9 letters!")
35 print("You've passed LEVEL 3 and YOU WIN THE GAME!!!")
36 print("THANK YOU FOR PLAYING!")
```



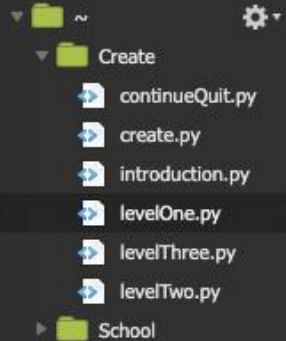
create.py x introduction.py x +

```
1 import continueQuit
2
3 def intro():
4     print("Welcome to CREATE!")
5     print("Get ready to play the best game of your life!")
6     print("WASD are used to move your character, 'o', around the screen.")
7     print("To move on to the next level, have 'o' collect all other letters.")
8     print("To win the game, pass each level.")
9     print("")
10    return continueQuit.contQuit()
```



- ~
  - Create
    - continueQuit.py
    - create.py
    - introduction.py
    - levelOne.py
    - levelThree.py
    - levelTwo.py
  - School

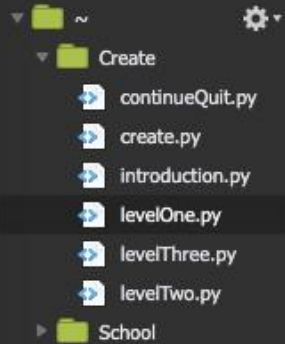
```
1 import sys
2
3 def contQuit():
4     continue_quit = input("Press SPACE_BAR to continue or 'q' to quit.\n")
5     while continue_quit != ' ':
6         if continue_quit == 'q':
7             sys.exit()
8         else:
9             print("Please enter a valid character\n")
10            continue_quit = input("Press SPACE_BAR to continue or 'q' to quit.\n")
11    print("\n")
12    return continue_quit
```



create.py × introduction.py × continueQuit.py × levelOne.py × +

```
1 #lets me use the curses module & sleep
2 import curses
3 import time
4 import sys
5
6 import continueQuit
7
8 def one():
9     print("LEVEL ONE")
10    print("")
11    print("Collect all 4 letters to move on to the next level.")
12    print("Ready? GO!")
13    print("")
14    continueQuit.contQuit()
15
16    #initializes a screen, stored in variable stdscr
17    stdscr = curses.initscr()
18
19    #prompts that put curses into the appropriate operating settings
20    curses.noecho()
21    curses.cbreak()
22    stdscr.keypad(True)
23
24    #initializes a variable to count the number of letters collected
25    letter_counter = 0
26    stdscr.refresh()
27
28    #add an x to the screen
29    stdscr.addstr(1, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
30    stdscr.addstr(2, 1, "X X      XXXX X  X X XX X  X")
31    stdscr.addstr(3, 1, "XX X X XX      XX X X XX XXXX")
32    stdscr.addstr(4, 1, "XX X X XXXXXXXX XX X  X XXX  X")
33    stdscr.addstr(5, 1, "XXX XXX XXXXX XXX  X  XX X XX")
34    stdscr.addstr(6, 1, "XXX XXXX      X  XXX XX X XXX X")
35    stdscr.addstr(7, 1, "X X  XXXX X XX XX XX  X X")
36    stdscr.addstr(8, 1, "X XXX X  XX X XX XX X XXXX X X")
37    stdscr.addstr(9, 1, "X  XXXX  X  X XXXX  X X")
38    stdscr.addstr(10, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
39
```





create.py × introduction.py × continueQuit.py × levelOne.py × +

```
39
40 stdscr.refresh()
41
42 #x- and y- coordinates of o & y
43 ox = 2
44 oy = 2
45 stdscr.addch(oy, ox, 'o')
46
47
48 #x- and y- coordinates of each letter
49 yx = 21
50 yy = 9
51 stdscr.addch(yy, yx, 'y')
52 stdscr.refresh()
53
54 gx = 24
55 gy = 3
56 stdscr.addch(gy, gx, 'g')
57 stdscr.refresh()
58
59 tx = 14
60 ty = 8
61 stdscr.addch(ty, tx, 't')
62 stdscr.refresh()
63
64 px = 33
65 py = 6
66 stdscr.addch(py, px, 'p')
67 stdscr.refresh()
68
69 #start the maze
70 user_input = stdscr.getch()
71
72 if user_input == ord('q'):
73     curses.endwin()
74     sys.exit()
75
76 while user_input != ord('q'):
77
```



create.py

introduction.py

continueQuit.py

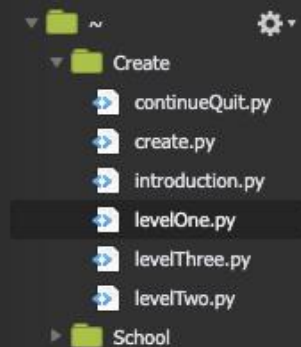
levelOne.py



- Create
  - continueQuit.py
  - create.py
  - introduction.py
  - levelOne.py
  - levelThree.py
  - levelTwo.py
- School

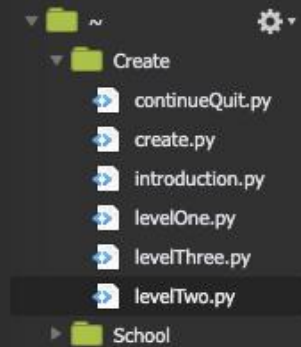
```
76 while user_input != ord('q'):  
77  
78     #move down  
79     if user_input == ord('s') and chr(stdscr.inch(oy + 1, ox)) != 'X' and oy + 1 < 35:  
80         stdscr.addch(oy, ox, ' ')  
81         oy += 1  
82         stdscr.addch(oy, ox, 'o')  
83         stdscr.refresh()  
84  
85     #move up  
86     if user_input == ord('w') and chr(stdscr.inch(oy - 1, ox)) != 'X' and oy - 1 < 35:  
87         stdscr.addch(oy, ox, ' ')  
88         oy -= 1  
89         stdscr.addch(oy, ox, 'o')  
90         stdscr.refresh()  
91  
92     #move left  
93     if user_input == ord('a') and chr(stdscr.inch(oy, ox - 1)) != 'X' and ox - 1 < 35:  
94         stdscr.addch(oy, ox, ' ')  
95         ox -= 1  
96         stdscr.addch(oy, ox, 'o')  
97         stdscr.refresh()  
98  
99     #move right  
100    if user_input == ord('d') and chr(stdscr.inch(oy, ox + 1)) != 'X' and ox + 1 < 35:  
101        stdscr.addch(oy, ox, ' ')  
102        ox += 1  
103        stdscr.addch(oy, ox, 'o')  
104        stdscr.refresh()  
105  
106  
107  
108    #To win the game, get o to touch all other letters  
109    if oy == yy and ox == yx:  
110        stdscr.addch(yy, yx, ' ')  
111  
112    #count the number of letters collected  
113    letter_counter += 1  
114    stdscr.refresh()
```





create.py × introduction.py × continueQuit.py × levelOne.py × +

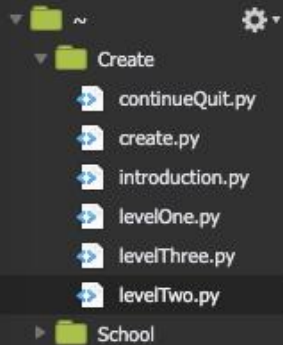
```
110     stdscr.addch(yy, yx, ' ')
111
112     #count the number of letters collected
113     letter_counter += 1
114     stdscr.refresh()
115
116     #reset the x and y coordinates of letter so it doesn't over count
117     yx = 0
118     yy = 0
119
120     if oy == gy and ox == gx:
121         stdscr.addch(gy, gx, ' ')
122         letter_counter += 1
123         stdscr.refresh()
124         gx = 0
125         gy = 0
126
127     if oy == ty and ox == tx:
128         stdscr.addch(ty, tx, ' ')
129         letter_counter += 1
130         stdscr.refresh()
131         tx = 0
132         ty = 0
133
134     if oy == py and ox == px:
135         stdscr.addch(py, px, ' ')
136         letter_counter += 1
137         stdscr.refresh()
138         px = 0
139         py = 0
140
141     if letter_counter >= 4:
142         #Passed level one
143         stdscr.clear()
144         stdscr.refresh()
145         break
146
147     #asks for the next move from user
148     stdscr.refresh()
149     user_input = stdscr.getch()
150
151 #end program
curses.endwin()
```



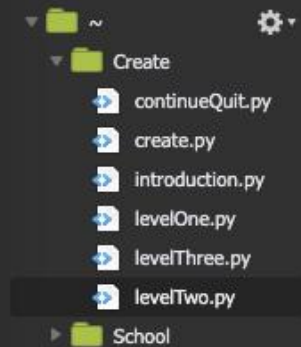
create.py x introduction.py x continueQuit.py x levelOne.py x levelTwo.py x +

```
1 import curses
2 import time
3 import sys
4
5 import continueQuit
6
7 def two():
8     print("LEVEL TWO")
9     print("")
10    print("Collect all 6 letters to move on to the next level.")
11    print("Ready? GO!")
12    print("")
13    continueQuit.contQuit()
14
15    #initializes a screen, stored in variable stdscr
16    stdscr = curses.initscr()
17
18    #prompts that put curses into the appropriate operating settings
19    curses.noecho()
20    curses.cbreak()
21    stdscr.keypad(True)
22
23    #initializes a variable to count the number of letters collected
24    letter_counter = 0
25    stdscr.refresh()
26
27    #add an x to the screen
28    stdscr.addstr(1, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
29    stdscr.addstr(2, 1, "Xo X X      X XXX   XX   mX wX")
30    stdscr.addstr(3, 1, "XX XXcXX X  XXX  XX  XXX XXXX  XX")
31    stdscr.addstr(4, 1, "XiX  XX X X XXXX X hX XXX  X  X X")
32    stdscr.addstr(5, 1, "X  X    X   X X X XX  XXXX  XX")
33    stdscr.addstr(6, 1, "XX XXX X XXXXX   X X XX  X X")
34    stdscr.addstr(7, 1, "X  bX X X X XXXXXXX  XX X X X")
35    stdscr.addstr(8, 1, "X XXXX X XX X  XX  XXX  XXX  X")
36    stdscr.addstr(9, 1, "X    X    X  X   XXXXXXXX")
37    stdscr.addstr(10, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
38
39    stdscr.refresh()
```



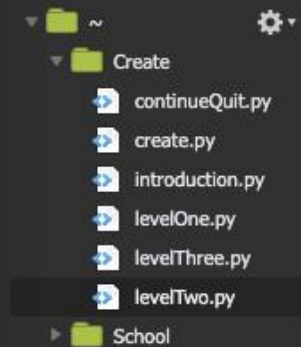


```
41 #x- and y- coordinates of o & y
42 ox = 2
43 oy = 2
44 stdscr.addch(oy, ox, 'o')
45
46 #x- and y- coordinates of each letter
47 ix = 2
48 iy = 4
49 stdscr.addch(iy, ix, 'i')
50 stdscr.refresh()
51
52 bx = 5
53 by = 7
54 stdscr.addch(by, bx, 'b')
55 stdscr.refresh()
56
57 cx = 7
58 cy = 3
59 stdscr.addch(cy, cx, 'c')
60 stdscr.refresh()
61
62 hx = 20
63 hy = 4
64 stdscr.addch(hy, hx, 'h')
65 stdscr.refresh()
66
67 mx = 30
68 my = 2
69 stdscr.addch(my, mx, 'm')
70 stdscr.refresh()
71
72 wx = 33
73 wy = 2
74 stdscr.addch(wy, wx, 'w')
75 stdscr.refresh()
76
77 #start the maze
78 user_input = stdscr.getch()
79
```



create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × +

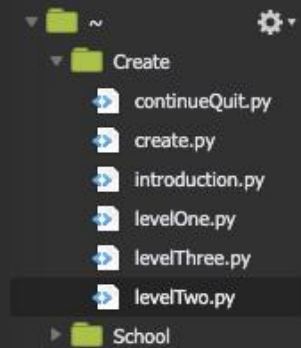
```
80 if user_input == ord('q'):
81     sys.exit()
82     curses.endwin()
83
84 while user_input != ord('q'):
85
86     #move down
87     if user_input == ord('s') and chr(stdscr.inch(oy + 1, ox)) != 'X' and oy + 1 < 35:
88         stdscr.addch(oy, ox, ' ')
89         oy += 1
90         stdscr.addch(oy, ox, 'o')
91         stdscr.refresh()
92
93     #move up
94     if user_input == ord('w') and chr(stdscr.inch(oy - 1, ox)) != 'X' and oy - 1 < 35:
95         stdscr.addch(oy, ox, ' ')
96         oy -= 1
97         stdscr.addch(oy, ox, 'o')
98         stdscr.refresh()
99
100    #move left
101    if user_input == ord('a') and chr(stdscr.inch(oy, ox - 1)) != 'X' and ox - 1 < 35:
102        stdscr.addch(oy, ox, ' ')
103        ox -= 1
104        stdscr.addch(oy, ox, 'o')
105        stdscr.refresh()
106
107    #move right
108    if user_input == ord('d') and chr(stdscr.inch(oy, ox + 1)) != 'X' and ox + 1 < 35:
109        stdscr.addch(oy, ox, ' ')
110        ox += 1
111        stdscr.addch(oy, ox, 'o')
112        stdscr.refresh()
113
114
115
116    #To win the game, get o to touch all other letters
117    if oy == iy and ox == ix:
118        stdscr.addch(iy, ix, ' ')
```



create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × +

```
116 #To win the game, get o to touch all other letters
117 if oy == iy and ox == ix:
118     stdscr.addch(iy, ix, ' ')
119
120     #count the number of letters collected
121     letter_counter += 1
122     stdscr.refresh()
123
124     #reset the x and y coordinates of letter so it doesn't over count
125     ix = 0
126     iy = 0
127
128 if oy == by and ox == bx:
129     stdscr.addch(by, bx, ' ')
130     letter_counter += 1
131     stdscr.refresh()
132     bx = 0
133     by = 0
134
135 if oy == cy and ox == cx:
136     stdscr.addch(cy, cx, ' ')
137     letter_counter += 1
138     stdscr.refresh()
139     cx = 0
140     cy = 0
141
142 if oy == hy and ox == hx:
143     stdscr.addch(hy, hx, ' ')
144     letter_counter += 1
145     stdscr.refresh()
146     hx = 0
147     hy = 0
148
149 if oy == my and ox == mx:
150     stdscr.addch(my, mx, ' ')
151     letter_counter += 1
152     stdscr.refresh()
153     mx = 0
154     my = 0
```

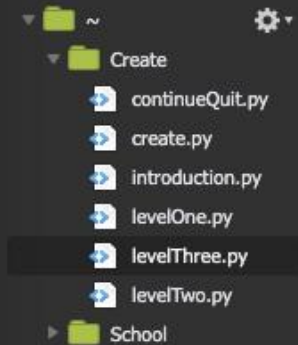




create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × +

```
154
155
156     if oy == wy and ox == wx:
157         stdscr.addch(wy, wx, ' ')
158         letter_counter += 1
159         stdscr.refresh()
160         wx = 0
161         wy = 0
162     if letter_counter >= 6:
163         #Passed level two
164         stdscr.clear()
165         stdscr.refresh()
166         break
167
168     #asks for the next move from user
169     stdscr.refresh()
170     user_input = stdscr.getch()
171
172 #end program
173 curses.endwin()
```

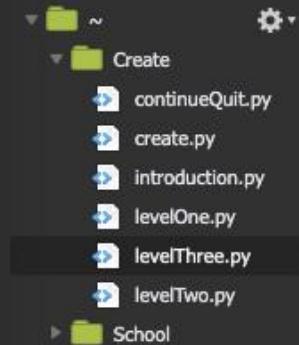




create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × levelThree.py × +

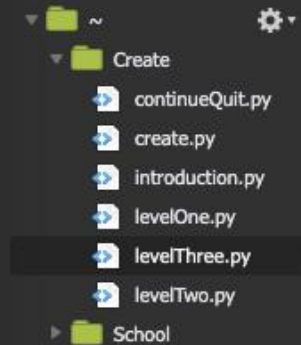
```
1 import curses
2 import time
3 import sys
4
5 import continueQuit
6
7 def three():
8     print("LEVEL THREE")
9     print("FINAL ROUND")
10    print("")
11    print("Collect all 9 letters to win the game!")
12    print("4/9 of the letters are lower-case 'x'. 3/9 are punctuation marks.")
13    print("Ready? GO!")
14    print("")
15    continueQuit.contQuit()
16
17    #initializes a screen, stored in variable stdscr
18    stdscr = curses.initscr()
19
20    #prompts that put curses into the appropriate operating settings
21    curses.noecho()
22    curses.cbreak()
23    stdscr.keypad(True)
24
25    #initializes a variable to count the number of letters collected
26    letter_counter = 0
27    stdscr.refresh()
28
29    #add an x to the screen
30    stdscr.addstr(1, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
31    stdscr.addstr(2, 1, "Xo  X  Xx X XXX    XX  X    XX  XX")
32    stdscr.addstr(3, 1, "XX X   X X   X X.XX XX X  X  X X X  X XX")
33    stdscr.addstr(4, 1, "X X XX X X XX X   X X X X XX X X  X  X")
34    stdscr.addstr(5, 1, "X     X  X   X   X X XX X  XX/XsXX X X")
35    stdscr.addstr(6, 1, "X XX XX X X   X  X X   X    XX X  X X")
36    stdscr.addstr(7, 1, "X   X X   XXX XxX X   X X XX  X  X X  X")
37    stdscr.addstr(8, 1, "X X   X  XX  XX X  XxX    X    X XX")
38    stdscr.addstr(9, 1, "XX XX  X XX  X X  X XX  XX  X  XX X-X")
39    stdscr.addstr(10, 1, "X  X  X    X   X  X X X  X X  XX X X  X")
```





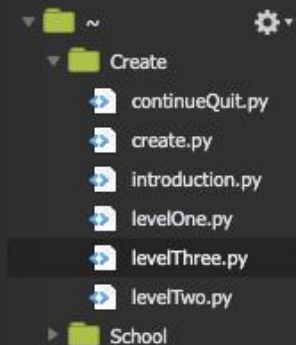
create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × levelThree.py × +

```
28
29 #add an x to the screen
30 stdscr.addstr(1, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
31 stdscr.addstr(2, 1, "Xo  X  Xx X XXX      XX  X      XX  XX")
32 stdscr.addstr(3, 1, "XX X  X X  X X.XX XX X  X  X X X XX")
33 stdscr.addstr(4, 1, "X X XX X X XX X  X X  X X XX X X  X  X")
34 stdscr.addstr(5, 1, "X    X  X  X  X X XX X XX/XsXX X X")
35 stdscr.addstr(6, 1, "X XX XX X X  X  X X  X  XX X  X X")
36 stdscr.addstr(7, 1, "X  X X  XXX XxX X  X X XX X  X X X")
37 stdscr.addstr(8, 1, "X X  X  XX XX X  XxX      X  X XX")
38 stdscr.addstr(9, 1, "XX XX  X XX X X  X XX XX X  XX X~X")
39 stdscr.addstr(10, 1, "X  X X      X  X X X X X X XX X X X")
40 stdscr.addstr(11, 1, "X   X X X XX  X X  Xx  XX  Xr XX X  X")
41 stdscr.addstr(12, 1, "XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX")
42
43 stdscr.refresh()
44
45 #x- and y- coordinates of o & y
46 ox = 2
47 oy = 2
48 stdscr.addch(oy, ox, 'o')
49
50
51 #x- and y- coordinates of each letter
52 x1x = 11
53 x1y = 2
54 stdscr.addch(x1y, x1x, 'x')
55 stdscr.refresh()
56
57 punc1x = 19
58 punc1y = 3
59 stdscr.addch(punc1y, punc1x, '.')
60 stdscr.refresh()
61
62 punc2x = 36
63 punc2y = 5
64 stdscr.addch(punc2y, punc2x, '/')
65 stdscr.refresh()
66
```

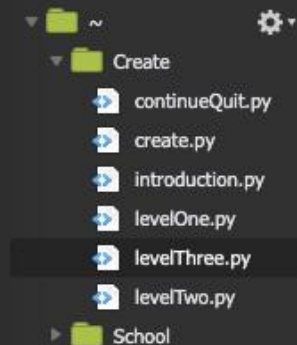


create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × levelThree.py × +

```
--
67  sx = 38
68  sy = 5
69  stdscr.addch(sy, sx, 's')
70  stdscr.refresh()
71
72  x2x = 17
73  x2y = 7
74  stdscr.addch(x2y, x2x, 'x')
75  stdscr.refresh()
76
77  x3x = 24
78  x3y = 8
79  stdscr.addch(x3y, x3x, 'x')
80  stdscr.refresh()
81
82  punc3x = 43
83  punc3y = 9
84  stdscr.addch(punc3y, punc3x, '~')
85  stdscr.refresh()
86
87  x4x = 24
88  x4y = 11
89  stdscr.addch(x4y, x4x, 'x')
90  stdscr.refresh()
91
92  rx = 33
93  ry = 11
94  stdscr.addch(ry, rx, 'r')
95  stdscr.refresh()
96
97  #start the maze
98  user_input = stdscr.getch()
99
100 if user_input == ord('q'):
101     sys.exit()
102     curses.endwin()
103
104 while user_input != ord('q'):
105
```

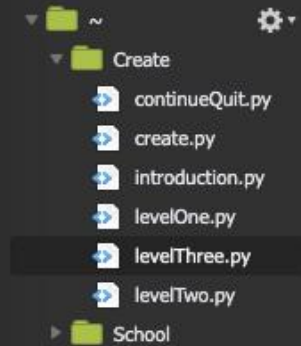


```
create.py x introduction.py x continueQuit.py x levelOne.py x levelTwo.py x levelThree.py x +
104 while user_input != ord('q'):
105
106     #move down
107     if user_input == ord('s') and chr(stdscr.inch(oy + 1, ox)) != 'X' and oy + 1 < 45:
108         stdscr.addch(oy, ox, ' ')
109         oy += 1
110         stdscr.addch(oy, ox, 'o')
111         stdscr.refresh()
112
113     #move up
114     if user_input == ord('w') and chr(stdscr.inch(oy - 1, ox)) != 'X' and oy - 1 < 45:
115         stdscr.addch(oy, ox, ' ')
116         oy -= 1
117         stdscr.addch(oy, ox, 'o')
118         stdscr.refresh()
119
120     #move left
121     if user_input == ord('a') and chr(stdscr.inch(oy, ox - 1)) != 'X' and ox - 1 < 45:
122         stdscr.addch(oy, ox, ' ')
123         ox -= 1
124         stdscr.addch(oy, ox, 'o')
125         stdscr.refresh()
126
127     #move right
128     if user_input == ord('d') and chr(stdscr.inch(oy, ox + 1)) != 'X' and ox + 1 < 45:
129         stdscr.addch(oy, ox, ' ')
130         ox += 1
131         stdscr.addch(oy, ox, 'o')
132         stdscr.refresh()
133
134
135
136     #To win the game, get o to touch all other letters
137     if oy == x1y and ox == x1x:
138         stdscr.addch(x1y, x1x, ' ')
139
140     #count the number of letters collected
141     letter_counter += 1
142     stdscr.refresh()
```



create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × levelThree.py × +

```
136 #To win the game, get o to touch all other letters
137 if oy == x1y and ox == x1x:
138     stdscr.addch(x1y, x1x, ' ')
139
140     #count the number of letters collected
141     letter_counter += 1
142     stdscr.refresh()
143
144     #reset the x and y coordinates of letter so it doesn't over count
145     x1x = 0
146     x1y = 0
147
148 if oy == punc1y and ox == punc1x:
149     stdscr.addch(punc1y, punc1x, ' ')
150     letter_counter += 1
151     stdscr.refresh()
152     punc1x = 0
153     punc1y = 0
154
155 if oy == punc2y and ox == punc2x:
156     stdscr.addch(punc2y, punc2x, ' ')
157     letter_counter += 1
158     stdscr.refresh()
159     punc2x = 0
160     punc2y = 0
161
162 if oy == sy and ox == sx:
163     stdscr.addch(sy, sx, ' ')
164     letter_counter += 1
165     stdscr.refresh()
166     sx = 0
167     sy = 0
168
169 if oy == x2y and ox == x2x:
170     stdscr.addch(x2y, x2x, ' ')
171     letter_counter += 1
172     stdscr.refresh()
173     x2x = 0
174     x2y = 0
```

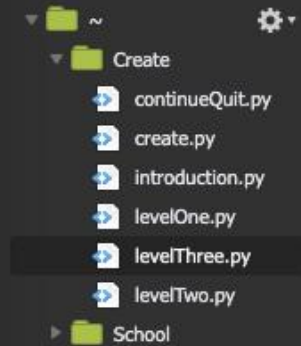


create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × levelThree.py × +

```
169     if oy == x2y and ox == x2x:
170         stdscr.addch(x2y, x2x, ' ')
171         letter_counter += 1
172         stdscr.refresh()
173         x2x = 0
174         x2y = 0
175
176     if oy == x3y and ox == x3x:
177         stdscr.addch(x3y, x3x, ' ')
178         letter_counter += 1
179         stdscr.refresh()
180         x3x = 0
181         x3y = 0
182
183     if oy == punc3y and ox == punc3x:
184         stdscr.addch(punc3y, punc3x, ' ')
185         letter_counter += 1
186         stdscr.refresh()
187         punc3x = 0
188         punc3y = 0
189
190     if oy == x4y and ox == x4x:
191         stdscr.addch(x4y, x4x, ' ')
192         letter_counter += 1
193         stdscr.refresh()
194         x4x = 0
195         x4y = 0
196
197     if oy == ry and ox == rx:
198         stdscr.addch(ry, rx, ' ')
199         letter_counter += 1
200         stdscr.refresh()
201         rx = 0
202         ry = 0
203
204     if letter_counter >= 9:
205         #Passed level three
206         stdscr.clear()
207         stdscr.refresh()
```







create.py × introduction.py × continueQuit.py × levelOne.py × levelTwo.py × levelThree.py × +

```
197     if oy == ry and ox == rx:
198         stdscr.addch(ry, rx, ' ')
199         letter_counter += 1
200         stdscr.refresh()
201         rx = 0
202         ry = 0
203
204     if letter_counter >= 9:
205         #Passed level three
206         stdscr.clear()
207         stdscr.refresh()
208         break
209
210     #asks for the next move from user
211     stdscr.refresh()
212     user_input = stdscr.getch()
213
214 #end program
215 curses.endwin()
216
```