# Create Task Program Code

```
1   var seconds = 20;
2   var click = 1;
3   onEvent("buttonPlayEasy", "click", function(event) {
4     seconds=21;
5     setText("labelTime", "");
6     timer();
7     setScreen("playeasyScreen");
8   });
9   //blocks user from reaching advanced levels without completing easy level;
10  onEvent("imageLock", "click", function(event) {
11    setScreen("welcomeScreen");
12  });
13  onEvent("imageLock2", "click", function(event) {
14    setScreen("welcomeScreen");
15  });
16  onEvent("buttonPlayMedium", "click", function(event) {
17    seconds=26;
18    click=1;
19    setText("labelTime2", "");
20    timer1();
21    setScreen("playmediumScreen");
22  });
23  onEvent("buttonPlayHard", "click", function(event) {
24    timer2();
25    seconds=31;
26    click=1;
27    setText("labelTime3", "");
28    setScreen("playhardScreen");
29  });
30  //I collaborated with a classmate regarding the resetting of various labels' text in the following
31  onEvent("button4", "click", function(event) {
32    click = 0;
33    hideElement("imageLock");
34    setText("labelTime", " ");
35    setText("labelTime2", " ");
36    setText("labelTime3", " ");
37    setText("label5", " ");
38    setText("labelCount1", " ");
39    setText("labelCount2", " ");
40    salmonReset1();
41    salmonReset2();
42    salmonReset3();
43    obstacleReset1();
44    obstacleReset2();
45    obstacleReset3();
46    setScreen("welcomeScreen");
47  });
48  onEvent("button5", "click", function(event) {
49    click = 0;
50    hideElement("imageLock2");
51    setText("labelTime", " ");
```

```
52    setText("labelTime2", " ");
53    setText("labelTime3", " ");
54    setText("label5", " ");
55    setText("labelCount1", " ");
56    setText("labelCount2", " ");
57    salmonReset1();
58    salmonReset2();
59    salmonReset3();
60    obstacleReset1();
61    obstacleReset2();
62    obstacleReset3();
63    setScreen("welcomeScreen");
64  });
65  onEvent("buttonAgain", "click", function(event) {
66    click = 1;
67    reset();
68    setScreen("welcomeScreen");
69    setText("labelTime", " ");
70    setText("labelTime2", " ");
71    setText("labelTime3", " ");
72    setText("label5", " ");
73    setText("labelCount1", " ");
74    setText("labelCount2", " ");
75    salmonReset1();
76    salmonReset2();
77    salmonReset3();
78    obstacleReset1();
79    obstacleReset2();
80    obstacleReset3();
81  });
82  onEvent("buttonMaze", "click", function(event) {
83    click = 1;
84    reset();
85    setScreen("welcomeScreen");
86    setText("labelTime", " ");
87    setText("labelTime2", " ");
88    setText("labelTime3", " ");
89    setText("label5", " ");
90    setText("labelCount1", " ");
91    setText("labelCount2", " ");
92    salmonReset1();
93    salmonReset2();
94    salmonReset3();
95    obstacleReset1();
96    obstacleReset2();
97    obstacleReset3();
98  });
99  onEvent("buttonScreen", "click", function(event) {
100   click = 1;
101   reset();
102   setScreen("welcomeScreen");
103   setText("labelTime", " ");
104   setText("labelTime2", " ");
105   setText("labelTime3", " ");
106   setText("label5", " ");
107   setText("labelCount1", " ");
```

```
108     setText("labelCount2", " ");
109     salmonReset1();
110     salmonReset2();
111     salmonReset3();
112     obstacleReset1();
113     obstacleReset2();
114     obstacleReset3();
115   });
116   onEvent("buttonOver", "click", function(event) {
117     click = 1;
118     setScreen("welcomeScreen");
119     setText("labelTime", "");
120     setText("labelTime2", "");
121     setText("labelTime3", "");
122     setText("label5", " ");
123     setText("labelCount1", " ");
124     setText("labelCount2", " ");
125     salmonReset1();
126     salmonReset2();
127     salmonReset3();
128     obstacleReset1();
129     obstacleReset2();
130     obstacleReset3();
131   });
132   onEvent("buttonHowTo", "click", function(event) {
133     setScreen("howtoScreen");
134   });
135   onEvent("button3", "click", function(event) {
136     setScreen("howtoScreen2");
137   });
138   onEvent("button1", "click", function(event) {
139     setScreen("welcomeScreen");
140   });
141   //the following code ends the game in a loss for the user if maze walls are touched
142   onEvent("buttonOb1", "mousemove", function(event) {
143     setScreen("screenTouchLose");
144     stopTimedLoop();
145   });
146   onEvent("buttonOb2", "mousemove", function(event) {
147     setScreen("screenTouchLose");
148     stopTimedLoop();
149   });
150   onEvent("buttonOb3", "mousemove", function(event) {
151     setScreen("screenTouchLose");
152     stopTimedLoop();
153   });
154   onEvent("buttonOb4", "mousemove", function(event) {
155     setScreen("screenTouchLose");
156     stopTimedLoop();
157   });
158   onEvent("buttonOb5", "mousemove", function(event) {
159     setScreen("screenTouchLose");
160     stopTimedLoop();
161   });
162   onEvent("buttonOb6", "mousemove", function(event) {
163     setScreen("screenTouchLose");
```

```
164      stopTimedLoop();
165    });
166    onEvent("buttonOb7", "mousemove", function(event) {
167      setScreen("screenTouchLose");
168      stopTimedLoop();
169    });
170    onEvent("buttonOb8", "mousemove", function(event) {
171      setScreen("screenTouchLose");
172      stopTimedLoop();
173    });
174    onEvent("buttonOb9", "mousemove", function(event) {
175      setScreen("screenTouchLose");
176      stopTimedLoop();
177    });
178    onEvent("buttonOb10", "mousemove", function(event) {
179      setScreen("screenTouchLose");
180      stopTimedLoop();
181    });
182    onEvent("buttonOb11", "mousemove", function(event) {
183      setScreen("screenTouchLose");
184      stopTimedLoop();
185    });
186    onEvent("buttonOb12", "mousemove", function(event) {
187      setScreen("screenTouchLose");
188      stopTimedLoop();
189    });
190    onEvent("buttonOb13", "mousemove", function(event) {
191      setScreen("screenTouchLose");
192      stopTimedLoop();
193    });
194    onEvent("buttonOb14", "mousemove", function(event) {
195      setScreen("screenTouchLose");
196      stopTimedLoop();
197    });
198    onEvent("buttonOb15", "mousemove", function(event) {
199      setScreen("screenTouchLose");
200      stopTimedLoop();
201    });
202    onEvent("buttonOb16", "mousemove", function(event) {
203      setScreen("screenTouchLose");
204      stopTimedLoop();
205    });
206    onEvent("buttonOb17", "mousemove", function(event) {
207      setScreen("screenTouchLose");
208      stopTimedLoop();
209    });
210    onEvent("buttonOb18", "mousemove", function(event) {
211      setScreen("screenTouchLose");
212      stopTimedLoop();
213    });
214    onEvent("buttonOb19", "mousemove", function(event) {
215      setScreen("screenTouchLose");
216      stopTimedLoop();
217    });
218    onEvent("buttonOb20", "mousemove", function(event) {
219      setScreen("screenTouchLose");
```

```
220      stopTimedLoop();
221    });
222    onEvent("buttonOb21", "mousemove", function(event) {
223      setScreen("screenTouchLose");
224      stopTimedLoop();
225    });
226    onEvent("buttonOb22", "mousemove", function(event) {
227      setScreen("screenTouchLose");
228      stopTimedLoop();
229    });
230    onEvent("buttonOb23", "mousemove", function(event) {
231      setScreen("screenTouchLose");
232      stopTimedLoop();
233    });
234    onEvent("buttonOb24", "mousemove", function(event) {
235      setScreen("screenTouchLose");
236      stopTimedLoop();
237    });
238    onEvent("buttonOb25", "mousemove", function(event) {
239      setScreen("screenTouchLose");
240      stopTimedLoop();
241    });
242    onEvent("buttonOb26", "mousemove", function(event) {
243      setScreen("screenTouchLose");
244      stopTimedLoop();
245    });
246    onEvent("buttonOb27", "mousemove", function(event) {
247      setScreen("screenTouchLose");
248      stopTimedLoop();
249    });
250    onEvent("buttonOb28", "mousemove", function(event) {
251      setScreen("screenTouchLose");
252      stopTimedLoop();
253    });
254    onEvent("buttonOb29", "mousemove", function(event) {
255      setScreen("screenTouchLose");
256      stopTimedLoop();
257    });
258    onEvent("buttonOb30", "mousemove", function(event) {
259      setScreen("screenTouchLose");
260      stopTimedLoop();
261    });
262    onEvent("buttonOb31", "mousemove", function(event) {
263      setScreen("screenTouchLose");
264      stopTimedLoop();
265    });
266    onEvent("buttonOb32", "mousemove", function(event) {
267      setScreen("screenTouchLose");
268      stopTimedLoop();
269    });
270    onEvent("buttonOb33", "mousemove", function(event) {
271      setScreen("screenTouchLose");
272      stopTimedLoop();
273    });
274    onEvent("buttonOb34", "mousemove", function(event) {
275      setScreen("screenTouchLose");
```

```
276    stopTimedLoop();
277  });
278  onEvent("buttonOb35", "mousemove", function(event) {
279    setScreen("screenTouchLose");
280    stopTimedLoop();
281  });
282  onEvent("buttonOb36", "mousemove", function(event) {
283    setScreen("screenTouchLose");
284    stopTimedLoop();
285  });
286  onEvent("buttonOb37", "mousemove", function(event) {
287    setScreen("screenTouchLose");
288    stopTimedLoop();
289  });
290  onEvent("buttonBorder1", "mousemove", function(event) {
291    setScreen("screenOutScreen");
292    stopTimedLoop();
293  });
294  onEvent("buttonBorder2", "mousemove", function(event) {
295    setScreen("screenOutScreen");
296    stopTimedLoop();
297  });
298  onEvent("buttonBorder3", "mousemove", function(event) {
299    setScreen("screenOutScreen");
300    stopTimedLoop();
301  });
302  onEvent("buttonBorder4", "mousemove", function(event) {
303    setScreen("screenOutScreen");
304    stopTimedLoop();
305  });
306  onEvent("buttonBorder5", "mousemove", function(event) {
307    setScreen("screenOutScreen");
308    stopTimedLoop();
309  });
310  onEvent("buttonBorder6", "mousemove", function(event) {
311    setScreen("screenOutScreen");
312    stopTimedLoop();
313  });
314  onEvent("buttonBorder7", "mousemove", function(event) {
315    setScreen("screenOutScreen");
316    stopTimedLoop();
317  });
318  onEvent("buttonBorder8", "mousemove", function(event) {
319    setScreen("screenOutScreen");
320    stopTimedLoop();
321  });
322  onEvent("buttonBorder9", "mousemove", function(event) {
323    setScreen("screenOutScreen");
324    stopTimedLoop();
325  });
326  onEvent("buttonObSpecial1", "mousemove", function(event) {
327    setScreen("screenTouchLose");
328    stopTimedLoop();
329  });
330  onEvent("buttonObSpecial2", "mousemove", function(event) {
331    setScreen("screenTouchLose");
```

```
332       stopTimedLoop();
333     });
334     onEvent("buttonObSpecial3", "mousemove", function(event) {
335       setScreen("screenTouchLose");
336       stopTimedLoop();
337     });
338     onEvent("buttonObSpecial4", "mousemove", function(event) {
339       setScreen("screenTouchLose");
340       stopTimedLoop();
341     });
342     onEvent("buttonObSpecial5", "mousemove", function(event) {
343       setScreen("screenTouchLose");
344       stopTimedLoop();
345     });
346     onEvent("buttonObSpecial6", "mousemove", function(event) {
347       setScreen("screenTouchLose");
348       stopTimedLoop();
349     });
350     onEvent("buttonB1", "click", function(event) {
351     hideElement("buttonObSpecial2");
352     });
353     onEvent("buttonB2", "click", function(event) {
354     hideElement("buttonObSpecial1");
355     });
356     onEvent("buttonB3", "click", function(event) {
357     hideElement("buttonObSpecial3");
358     });
359     onEvent("buttonB4", "click", function(event) {
360     hideElement("buttonObSpecial4");
361     });
362     onEvent("buttonB5", "click", function(event) {
363     hideElement("buttonObSpecial5");
364     });
365     onEvent("buttonB6", "click", function(event) {
366     hideElement("buttonObSpecial6");
367     });
368     onEvent("imageB1", "click", function(event) {
369       hideElement("imageB1");
370       setText("label5", click);
371       click=click+1;
372     });
373     onEvent("imageB2", "click", function(event) {
374       hideElement("imageB2");
375       setText("label5", click);
376       click=click+1;
377     });
378     onEvent("imageB3", "click", function(event) {
379       hideElement("imageB3");
380       setText("label5", click);
381       click=click+1;
382     });
383     onEvent("imageB4", "click", function(event) {
384       hideElement("imageB4");
385       setText("label5", click);
386       click=click+1;
387     });
```

```
388   onEvent("imageB5", "click", function(event) {
389     hideElement("imageB5");
390     setText("label5", click);
391     click=click+1;
392   });
393   onEvent("imageB6", "click", function(event) {
394     hideElement("imageB6");
395     setText("label5", click);
396     click=click+1;
397   });
398   onEvent("imageB7", "click", function(event) {
399     hideElement("imageB7");
400     setText("labelCount1", click);
401     click=click+1;
402   });
403   onEvent("imageB8", "click", function(event) {
404     hideElement("imageB8");
405     setText("labelCount1", click);
406     click=click+1;
407   });
408   onEvent("imageB9", "click", function(event) {
409     hideElement("imageB9");
410     setText("labelCount1", click);
411     click=click+1;
412   });
413   onEvent("imageB10", "click", function(event) {
414     hideElement("imageB10");
415     setText("labelCount1", click);
416     click=click+1;
417   });
418   onEvent("imageB11", "click", function(event) {
419     hideElement("imageB11");
420     setText("labelCount1", click);
421     click=click+1;
422   });
423   onEvent("imageB12", "click", function(event) {
424     hideElement("imageB12");
425     setText("labelCount1", click);
426     click=click+1;
427   });
428   onEvent("imageB13", "click", function(event) {
429     hideElement("imageB13");
430     setText("labelCount2", click);
431     click=click+1;
432   });
433   onEvent("imageB14", "click", function(event) {
434     hideElement("imageB14");
435     setText("labelCount2", click);
436     click=click+1;
437   });
438   onEvent("imageB15", "click", function(event) {
439     hideElement("imageB15");
440     setText("labelCount2", click);
441     click=click+1;
442   });
443   onEvent("imageB16", "click", function(event) {
```

```
444      hideElement("imageB16");
445      setText("labelCount2", click);
446      click=click+1;
447    });
448    onEvent("imageB17", "click", function(event) {
449      hideElement("imageB17");
450      setText("labelCount2", click);
451      click=click+1;
452    });
453    onEvent("imageB18", "click", function(event) {
454      hideElement("imageB18");
455      setText("labelCount2", click);
456      click=click+1;
457    });
458    onEvent("imageB19", "click", function(event) {
459      hideElement("imageB19");
460      setText("labelCount2", click);
461      click=click+1;
462    });
463    onEvent("imageB20", "click", function(event) {
464      hideElement("imageB20");
465      setText("labelCount1", click);
466      click=click+1;
467    });
468    onEvent("imageB21", "click", function(event) {
469      hideElement("imageB21");
470      setText("labelCount2", click);
471      click=click+1;
472    });
473    function salmonReset1() {
474    showElement("imageB1");
475    showElement("imageB2");
476    showElement("imageB3");
477    showElement("imageB4");
478    showElement("imageB5");
479    showElement("imageB6");
480    }
481    function salmonReset2() {
482    showElement("imageB7");
483    showElement("imageB8");
484    showElement("imageB9");
485    showElement("imageB10");
486    showElement("imageB11");
487    showElement("imageB12");
488    showElement("imageB20");
489    }
490    function salmonReset3() {
491    showElement("imageB13");
492    showElement("imageB14");
493    showElement("imageB15");
494    showElement("imageB16");
495    showElement("imageB17");
496    showElement("imageB18");
497    showElement("imageB19");
498    showTement("imageB21");
499    }
```

```
500   function obstacleReset1() {
501   showElement("buttonObSpecial1");
502   showElement("buttonObSpecial2");
503   }
504   function obstacleReset2() {
505   showElement("buttonObSpecial3");
506   showElement("buttonObSpecial4");
507   }
508   function obstacleReset3() {
509   showElement("buttonObSpecial5");
510   showElement("buttonObSpecial6");
511   }
512   //Abstraction
513   function timer() {
514     timedLoop(1000, function() {
515     seconds=seconds-1;
516     setText("labelTime", seconds);
517     setText("labelTime2", seconds);
518     setText("labelTime3", seconds);
519     if (seconds===0) {
520       setScreen("lostScreen");
521     }
522     if (seconds <=0 && click < 7) {
523       setScreen("lostScreen");
524       stopTimedLoop();
525     }
526     if (seconds>0 && click===7) {
527     setScreen("woneasyScreen");
528   stopTimedLoop();}
529     });
530   }
531   function timer1() {
532     timedLoop(1000, function() {
533     seconds=seconds-1;
534     setText("labelTime", seconds);
535     setText("labelTime2", seconds);
536     setText("labelTime3", seconds);
537     if (seconds===0) {
538       setScreen("lostScreen");
539     }
540     if (seconds <=0 && click < 8) {
541       setScreen("lostScreen");
542       stopTimedLoop();
543     }
544     if (seconds>0 && click===8) {
545     setScreen("wonmediumScreen");
546     stopTimedLoop();}
547     });
548   }
549   //Parent Algorithm created independently
550   function timer2() {
551     timedLoop(1000, function() {
552     obMove();
553     seconds=seconds-1;
554     obMove1();
555     setText("labelTime", seconds);
```

```
556       setText("labelTime2", seconds);
557       setText("labelTime3", seconds);
558       if (seconds===0) {
559         setScreen("lostScreen");
560       }
561       if (seconds <=0 && click < 9) {
562         setScreen("lostScreen");
563         stopTimedLoop();
564       }
565       if (seconds>0 && click===9) {
566       setScreen("wonmediumScreen");
567       stopTimedLoop();}
568       });
569   }
570   //Child Algorithm 1 created independently
571   function obMove() {
572     for (var i = 0; i < 20; i++) {
573       moveblockOb38();
574     }
575   }
576   //Child Algorithm 2 created independently
577   function obMove1() {
578     for (var i = 0; i < 20; i++) {
579       blockmoveOb38();
580     }
581   }
582   function moveblockOb38() {
583     setTimeout(function() {
584       setPosition("buttonOb38", getXPosition("buttonOb38")+0, getYPosition("buttonOb38")+10, 80, 25)
585     }, 2000);
586   }
587   function blockmoveOb38() {
588     setTimeout(function() {
589       setPosition("buttonOb38", getXPosition("buttonOb38")-0, getYPosition("buttonOb38")-10, 80, 25)
590     }, 2000);
591   }
592   function reset(){
593   setPosition("buttonOb38", 240, 1, 80, 25);
594   }
595   //Bear image [ http://www.clipartpanda.com/clipart_images/free-bears-clip-art-by-phillip-50545730]
596   //Tree image [http://mzayat.com/single/269430.html];
597   //Clock image [http://www.clker.com/clipart-43427.html];
598   //Label Font [Google Presentation - Chewy Font];
599   //Padlock image [http://www.clker.com/clipart-padlock-.html];
600   //Salmon image [https://www.istockphoto.com/illustrations/sockeye-salmon?excludenudity=true&sort=m
601   //Red Button image [https://www.activeautomation.co.nz/fibaro-the-button-red];
602   //Mountain image [http://clipartstation.com/mountains-clipart-png-1/];
```

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