```
<html>
   <style>
        body{
       margin: 0px;
       .gamearea{
           width:1000px;
           height: 700px;
           border: solid;
           background-image: url("grass.jpeg");
       .ant1{
           width:45px;
           height: 40px;
           /*background-color:black;
           position: relative;
           top:350px;
           left:300px
       .ant2{
           width:45px;
           height: 40px;
           /*background-color:red;
           position: relative;
           top:310px;
           left:600px
       .topleg{
           /*animation-duration: 2200ms;
           animation-name: topleg;*/
           animation:topleg 400ms 1
       @keyframes topleg {
       0% {transform: rotate(-30deg);}
       100% {transform: rotate(-10deg);}
       .bottomleg{
           /*animation-duration: 2200ms;
           animation:bottomleg 400ms 1
       @keyframes bottomleg {
       0% {transform: rotate(30deg);}
       100% {transform: rotate(10deg);}
   </style>
```

```
<script src="jquery.min.js"></script>
    <script src="jquery-ui/jquery-ui.js"></script>
    <script href="jquery-ui/jquery-ui.css" rel="stylesheet"></script>
    <script src="jquerycollision/jquery-collision.js"></script>
 <script src="https://code.jquery.com/jquery-3.6.0.js"></script>
  <script src="https://code.jquery.com/ui/1.13.1/jquery-ui.js"></script>
 <script type="text/javascript"</pre>
src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.11.1/jquery-
ui.min.js"></script>
   <div class="gamearea">
        <label for="file" style="font-size: 25px;color: white;">Ant 1:</label>
        cyrogress id="file" value="32" max="100" style="height: 25px"> 32%
<label for="file" style="font-size: 25px;color: white;">Ant 2:</label>
        cyrogress id="file" value="32" max="100" style="height: 25px"> 32%
</progress>
        <div id="div1" class="ant1 div1">
            <div style="width:30px; height:25px; background-color:black"></div>
            <div style="width:15px; height:12px; background-color:black;position:</pre>
relative; left: 30px; top: -18px"></div>
            <div class="topleg1" style="width:4px; height:15px; background-</pre>
color:black; position: relative;left:21px;top:-51px; transform: rotate(-
10deg);"></div>
            <div class="topleg1" style="width:4px; height:15px; background-</pre>
color:black; position: relative;left:5px;top:-66px; transform: rotate(-
10deg);"></div>
            <div class="bottomleg1" style="width:4px; height:15px; background-</pre>
color:black; position: relative;left:21px;top:-43px;transform:
rotate(10deg);"></div>
            <div class="bottomleg1" style="width:4px; height:15px; background-</pre>
color:black; position: relative;left:5px;top:-58px;transform:
rotate(10deg);"></div>
        </div>
        <div class="ant2 div2" id="div2">
            <div style="width:30px; height:25px; background-color:red"></div>
            <div style="width:15px; height:12px; background-color:red;position:</pre>
relative; left:-15px; top:-18px"></div>
            <div class="bottomleg2" style="width:4px; height:15px; background-</pre>
color:red; position: relative;left:21px;top:-51px; transform:
rotate(10deg);"></div>
```

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<div class="bottomleg2" style="width:4px; height:15px; background-</pre>
color:red; position: relative;left:5px;top:-66px; transform: rotate(10deg);"></div>
            <div class="topleg2" style="width:4px; height:15px; background-</pre>
color:red; position: relative;left:21px;top:-43px; transform: rotate(-
10deg);"></div>
            <div class="topleg2" style="width:4px; height:15px; background-</pre>
color:red; position: relative;left:5px;top:-58px; transform: rotate(-
10deg);"></div>
        </div>
   </div>
    <script>
    $(document).keydown(function(e){
    switch (e.which){
    case 37: // key left, right, up, and down
        $(".ant2").finish().animate({
            left: "-=10"
        }):
        setInterval(function () {
         $(".topleg2").addClass("topleg");
         $(".bottomleg2").addClass("bottomleg")
        }, 100);
        $(".topleg2").removeClass("topleg");
         $(".bottomleg2").removeClass("bottomleg")
        break:
    case 38:
        $(".ant2").finish().animate({
            top: "-=10"
        }):
        setInterval(function () {
         $(".topleg2").addClass("topleg");
         $(".bottomleg2").addClass("bottomleg")
        }, 100);
        $(".topleg2").removeClass("topleg");
         $(".bottomleg2").removeClass("bottomleg")
    case 39: // key right
        $(".ant2").finish().animate({
            left: "+=10"
        });
        setInterval(function () {
         $(".topleg2").addClass("topleg");
         $(".bottomleg2").addClass("bottomleg")
        }, 100);
        $(".topleg2").removeClass("topleg");
         $(".bottomleg2").removeClass("bottomleg")
        break;
    case 40: // key down
        $(".ant2").finish().animate({
            top: "+=10"
```

```
setInterval(function () {
     $(".topleg2").addClass("topleg");
     $(".bottomleg2").addClass("bottomleg")
    }, 100);
    $(".topleg2").removeClass("topleg");
    $(".bottomleg2").removeClass("bottomleg")
    break:
              // key left, right, up, and down
    case 37:
    $(".ant2").finish().animate({
       left: "-=10"
    });
    break;
case 65: // key left, right, up, and down
    $(".ant1").finish().animate({
        left: "-=10"
   });
    setInterval(function () {
    $(".topleg1").addClass("topleg");
    $(".bottomleg1").addClass("bottomleg")
    }, 100);
    $(".topleg1").removeClass("topleg");
    $(".bottomleg1").removeClass("bottomleg")
    break:
case 87: // key up
    $(".ant1").finish().animate({
       top: "-=10"
    }):
    setInterval(function () {
    $(".topleg1").addClass("topleg");
    $(".bottomleg1").addClass("bottomleg")
    }, 100);
    $(".topleg1").removeClass("topleg");
    $(".bottomleg1").removeClass("bottomleg")
    break;
case 68:
    $(".ant1").finish().animate({
        left: "+=10"
    });
    setInterval(function () {
     $(".topleg1").addClass("topleg");
    $(".bottomleg1").addClass("bottomleg")
    }, 100);
    $(".topleg1").removeClass("topleg");
    $(".bottomleg1").removeClass("bottomleg")
```

```
break;
    case 83:
        $(".ant1").finish().animate({
            top: "+=10"
        });
        setInterval(function () {
         $(".topleg1").addClass("topleg");
         $(".bottomleg1").addClass("bottomleg")
        }, 100);
        $(".topleg1").removeClass("topleg");
         $(".bottomleg1").removeClass("bottomleg")
        break:
});
 $( "#div1" ).draggable({ axis: "x,y"});
  $( "#div2" ).draggable({ axis: "x,y"});
  $("#div1").draggable( { obstacle: ".div2" } );
  $("#div1").draggable( { obstacle: ".div2", preventCollision: true } );
      var h1 = $div1.outerHeight(true);
      var w1 = $div1.outerWidth(true);
      var h2 = $div2.outerHeight(true);
  collision(); */
  function collision($div1, $div2) {
    var x1 = $div1.offset().left;
    var y1 = $div1.offset().top;
    var x2 = $div2.offset().left;
    var y2 = $div2.offset().top;
    if ((y1 + $div1.outerHeight(true)) < y2 ||</pre>
        y1 > (y2 + $div2.outerHeight(true)) ||
        (x1 + $div1.outerWidth(true)) < x2 ||</pre>
        x1 > (x2 + $div2.outerWidth(true)))
```

```
alert('false');
alert ('true');
}
collision();
    </script>
</body>
</html>
```