**Lab Exercise 8, 9**

**Using the concept of transformation, transition, animation and box model do the following:**

**a.** **Create a web page to display credits for STARWARS movie in slanting appearance along with pause and play the animation on hover.**

Note: Use two selectors (start and stop) and use it to apply style with transform (scale), On hover play and pause animation.

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| <!DOCTYPE html>  <html lang="en">  <head>  <style>  @import url(<http://fonts.googleapis.com/css>?  family=Droid+Sans:400,700);  \* { padding: 0; margin: 0; }  body, html  {  width: 100%;  height: 100%;  font-family: "Droid Sans", arial, verdana, sans-serif;  font-weight: 700;  color: #ff6688;  background-color: #00000;  overflow: hidden;  }  p#start  {  position: relative;  width: 16em;  font-size: 200%;  font-weight: 400;  margin: 20% auto;  color: #44ee99;  opacity: 0;  z-index: 1;  animation: intro 2s ease-out;  }  @-webkit-keyframes intro {  0% { opacity: 1; }  90% { opacity: 1; }  100% { opacity: 0; }  }  @keyframes intro {  0% { opacity: 1; }  90% { opacity: 1; }  100% { opacity: 0; }  }  h1  {  position: absolute;  width: 2.6em;  left: 50%;  top: 25%;  font-size: 10em;  text-align: center;  margin-left: -1.3em;  line-height: 0.8em;  letter-spacing: -0.05em;  color: #000;  text-shadow: -2px -2px 0 #ff6, 2px -2px 0 #ff6, -2px 2px 0 #ff6, 2px 2px 0 #ff6;  opacity: 0;  z-index: 1;  -webkit-animation: logo 5s ease-out 2.5s;  animation: logo 5s ease-out 2.5s;  }  h1 sub  {  display: block;  font-size: 0.3em;  letter-spacing: 0;  line-height: 0.8em;  }  @keyframes logo {  0% { transform: scale(1); opacity: 1; }  50% { opacity: 1; }  100% { transform: scale(0.1); opacity: 0; }  }  /\* the interesting 3D scrolling stuff \*/  #titles  {  position: absolute;  width: 18em;  height: 50em;  bottom: 0;  left: 50%;  margin-left: -9em;  font-size: 350%;  text-align: justify;  overflow: hidden;  transform-origin: 50% 100%;  transform: perspective(300px) rotateX(25deg);  } | #titles:after  {  position: absolute;  content: ' ';  left: 0;  right: 0;  top: 0;  bottom: 60%;  background-image: -webkit-linear-gradient(top, rgba(0,0,0,1) 0%, transparent 100%);  background-image: -moz-linear-gradient(top, rgba(0,0,0,1) 0%, transparent 100%);  background-image: linear-gradient(top, rgba(0,0,0,1) 0%, transparent 100%);  pointer-events: none;  }  #titles p  {  text-align: justify;  margin: 0.8em 0;  }  #titles p.center  {  text-align: center;  }  #titles a  {  color: #ff6677;  text-decoration: underline;  }  #titlecontent  {  position: absolute;  top: 100%;  animation: scroll 100s linear 4s infinite;  }  #titlecontent:hover  {  animation-play-state: paused;  }  /\* animation \*/  @keyframes scroll {  0% { top: 100%; }  100% { top: -150%; }  }  </style>  </head>  <body>  <p id="start">A short time ago in a browser very, very close&hellip;</p>  <h1>STAR WARS<sub>titles in CSS3</sub></h1>  <div id="titles"><div id="titlecontent">  <p class="center">EPISODE IV<br />A NEW HOPE </p>    <p>Released in 1977.</p>  <p class="center">EPISODE V<br />THE EMPIRE STRIKES BACK</p>    <p>Released in 1980.</p>    <p class="center">EPISODE VI<br />RETURN OF JEDI</p>    <p>Released in 1983.</p>  <p class="center">EPISODE I<br />THE PHANTOM MENACE </p>    <p>Released in 1999.</p>  <p class="center">EPISODE II<br />ATTACK OF THE CLONES</p>    <p>Released in 2002.</p>    <p class="center">EPISODE III<br />REVENGE OF THE SITH</p>    <p>Released in 2005.</p>  <p class="center">EPISODE VIII<br />THE FORCE AWAKENS</p>    <p>Released in 2015.</p>  <p>Finally, Han shot first and the original, unadulterated movies remain the best. Stop fiddling with them, George!</p>  </div></div>  </body>  </html> |

**b. Create a bouncing ball animation with shadows.**

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| <!DOCTYPE html>  <html>  <head>  <style>  /\* 3D Bouncing ball \*/  #ballWrapper {  width: 140px;  height: 300px;  position: fixed;  left: 50%;  top: 35%;  margin-left: -70px;  z-index: 100;  transform: scale(1);  transition: all 5s linear 0s;  cursor: pointer;  }  #ballWrapper:active {  transform: scale(0);  cursor: pointer;  }  #ball {  width: 140px;  height: 140px;  border-radius: 70px;  background-color:pink;  background: linear-gradient(top, rgba(187,187,187,1) 0%,rgba(119,119,119,1) 99%);  <!--3 different box shadow levels so it would get the 3D effect. first level - dark shadowing at the bottom of the ball  second level - blurry glow at the bottom of the ball  third level - hardly noticeable blurry shadow behind thecontours of the ball-->  box-shadow: inset 0 -5px 15px rgba(255,255,255,0.4),  inset -2px -1px 40px rgba(0,0,0,0.4),  0 0 1px #000;  position: absolute;  top: 0;  z-index: 11;  animation: jump 1s infinite;  cursor: pointer;  }  #ball::after {  content: "";  width: 80px;  height: 40px;  position: absolute;  left: 30px;  top: 10px;  z-index: 10;  background: linear-gradient(top, rgba(232,232,232,1) 0%,rgba(232,232,232,1) 1%,rgba(255,255,255,0) 100%);  border-radius: 40px / 20px;  }  #ballShadow {  position: absolute;  left: 50%;  bottom: 0;  z-index: 10;  margin-left: -30px;  width: 60px;  height: 75px;  background: rgba(20, 20, 20, .1);  box-shadow: 0px 0 20px 35px rgba(20,20,20,.1);  border-radius: 30px / 40px;  transform: scaleY(.3);  animation: shrink 1s infinite;  } | /\* Animations \*/  @keyframes jump {  0% {  top: 0;  animation-timing-function: ease-in;  }  50% {  top: 140px;  height: 140px;  animation-timing-function: ease-out;  }  55% {  top: 160px;  height: 120px;  border-radius: 70px / 60px;  animation-timing-function: ease-in;  }  65% {  top: 120px;  height: 140px;  border-radius: 70px;  animation-timing-function: ease-out;  }  95% {  top: 0;  animation-timing-function: ease-in;  }  100% {  top: 0;  animation-timing-function: ease-in;  }  }  @keyframes shrink {  0% {  bottom: 0;  margin-left: -30px;  width: 60px;  height: 75px;  background: rgba(20, 20, 20, .1);  box-shadow: 0px 0 20px 35px rgba(20,20,20,.1);  border-radius: 30px / 40px;  animation-timing-function: ease-in;  }  50% {  bottom: 30px;  margin-left: -10px;  width: 20px;  height: 5px;  background: rgba(20, 20, 20, .3);  box-shadow: 0px 0 20px 35px rgba(20,20,20,.3);  border-radius: 20px / 20px;  animation-timing-function: ease-out;  }  100% {  bottom: 0;  margin-left: -30px;  width: 60px;  height: 75px;  background: rgba(20, 20, 20, .1);  box-shadow: 0px 0 20px 35px rgba(20,20,20,.1);  border-radius: 30px / 40px;  animation-timing-function: ease-in;  }  }  </style>  </head>  <body>  <p>Click and hold the ball to make it move back!</p>  <div id="ballWrapper">  <div id="ballShadow"></div>  <div id="ball"></div>  </div>  </body>  </html> |

**c. Use an rocket image and launch the rocket on hover. Send back to original position on mouse out.**

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| <!DOCTYPE html>  <html>  <head>  <style>  /\* initial state \*/  #outerspace {  position: relative;  height: 400px;  width: 720px;  background: #0c0440 url(outerspace1.jpg);  color: #fff;  }  div.rocket {  position: absolute;  bottom: 10px;  left: 20px;  transition: 3s ease-in;  }  div.rocket div {  width: 92px;  height: 215px;  background: url(rocket.gif) no-repeat;  transition: 2s ease-in-out;  } | /\* hover final state \*/  #outerspace:hover div.rocket {  transform: translate(540px,-200px);  }  #outerspace:hover div.rocket div {  transform: rotate(70deg);  }  </style>  </head>  <body>  <div id="outerspace">  <div class="rocket">  <div><!-- rocket --></div>  .rocket  </div>#outerspace  </div>  </body>  </html> |