2.7.專案練習(一)-地球與月球軌道

一、設定黑白放射性漸層並放入星星圖檔完成宇宙星空背景。

```
html, body{
  height: 100%;
}

#universe{
  background: radial-gradient(□#555, □#000);
}

#stars{
  height: 100%;
  background-image: url("stars.png");
  background-size: cover;
}
```

```
<body id="universe">
    <div id="stars"></div>
```

二、設定星星閃爍動畫

```
@keyframes starFlash {
  from {opacity: 1;}
  to {opacity: 0.3;}
}
```

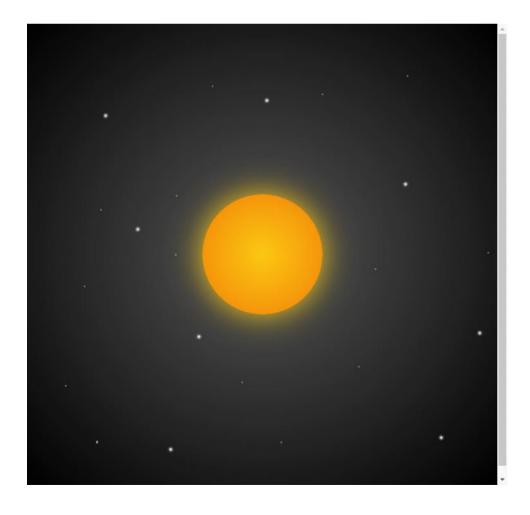
```
animation: starFlash 3s infinite alternate;
```

三、設定太陽放射性漸層並置於畫面正中央,製作陽光放射動畫。

```
#sun {
    width: 200px;
    height: 200px;
    /* background-color: orange; */
    background: radial-gradient(□#f5c313, □#ec7e08);
    position: absolute;
    top: 50%;
    left: 50%;
    margin-top: -100px;
    margin-left: -100px;
    border-radius: 100px;
    box-shadow: 0 0 45px □#f5c91a;
    | animation: sunLight 3s infinite alternate;
}
```

```
@keyframes sunLight {
  from {box-shadow: 0 0 45px □ #f5c91a;}
  to {box-shadow: 0 0 90px □ #f5c91a;}
}
```

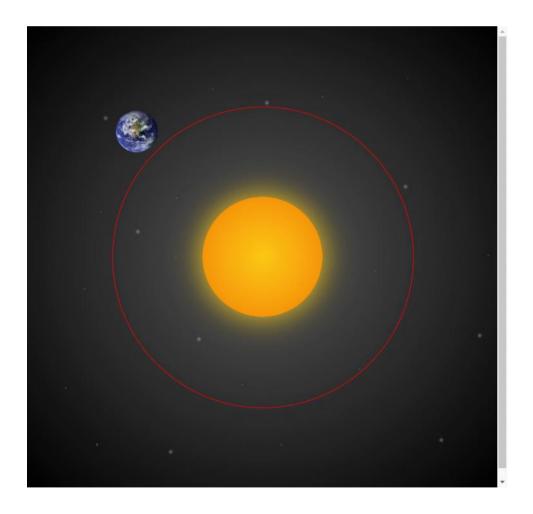
<div id="sun"></div>



四、設定地球軌道並放入地球圖檔。

```
#earthOrbit {
  height: 500px;
  width: 500px;
  position: absolute;
  top: 50%;
  left: 50%;
  margin-top: -250px;
  margin-left: -250px;
  border: 1px solid □ red;
  border-radius: 100%;
}
```

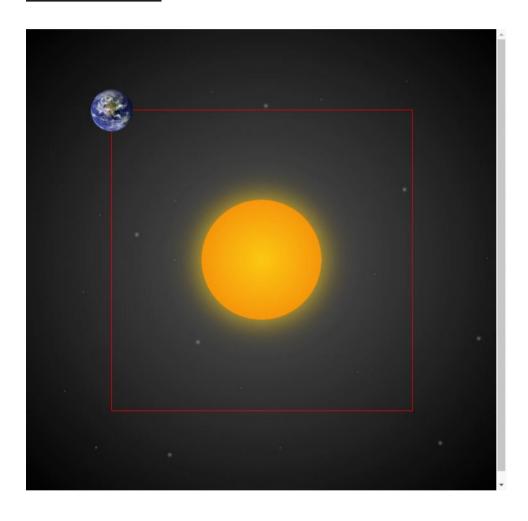
```
<div id="earthOrbit">
  <img src="earth.png" alt="earth" width="80px" height="80px">
  </div>
```



五、將地球圖檔中心貼齊軌道。

```
/*border-radius: 100%;*/
}
#earth {
  position: absolute;
  margin-top: -40px;
  margin-left: -40px;
}
```

img id="earth"

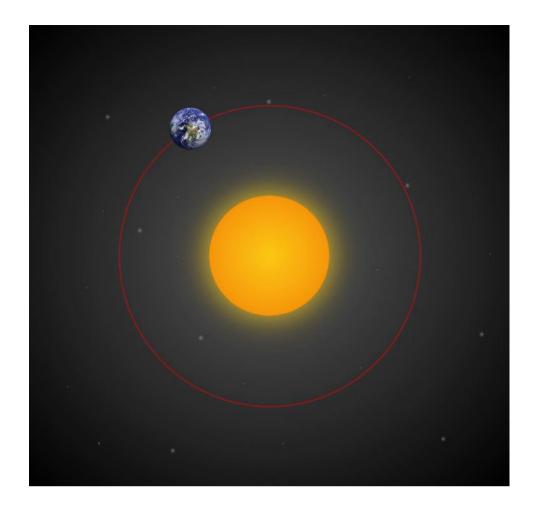


六、設定地球公轉及自轉動畫。

```
@keyframes spin {
  from { transform: rotate(0)}
  to {transform: rotate(360deg);}
}
```

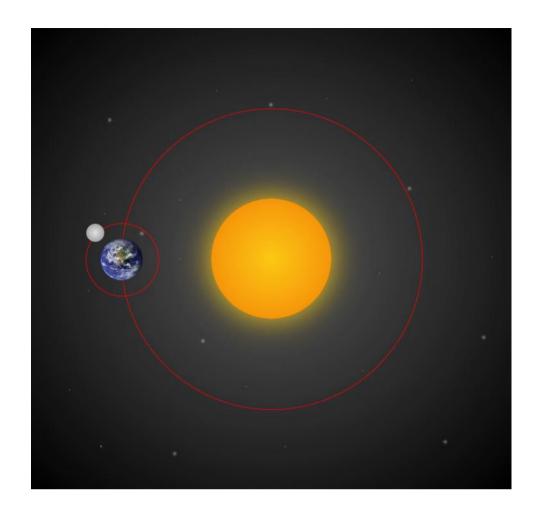
animation: spin 30s linear infinite;

overflow: hidden;



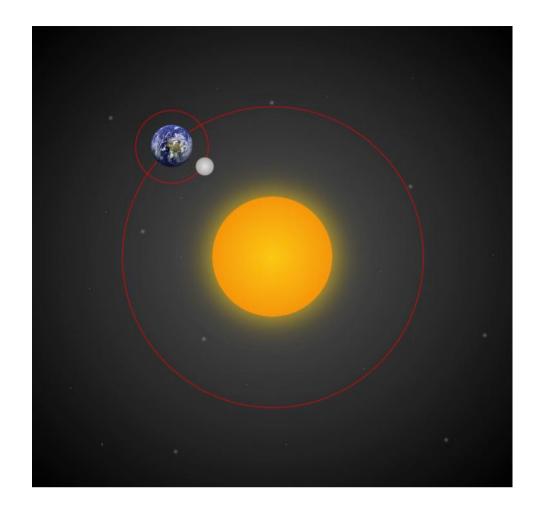
十、設定月球軌道。

```
#moonOrbit {
  width: 120px;
  height: 120px;
  position: absolute;
  top: 50%;
  margin-top: -60px;
  margin-left: -60px;
  border: 1px solid  red;
  border-radius: 100%;
}
#moon {
  width: 30px;
  height: 30px;
  background: radial-gradient( #ddd, #888);
  border-radius: 100%;
}
```



八、設定月球公轉動畫。

animation: spin 3s linear infinite;



九、去除軌道線。

/*border: 1px solid red;*/

