纯CSS制作一个自行车车轮

思路:

给一个div设置圆形边框 + box-shadow,子元素设置6个span,分别设为矩形,显示上下边框,给每个span添加transform旋转不同角度,做成一个静态车轮,然后给span加animation动画,做滚动效果,然后给div加一个before伪元素,用background-image绘画道路,然后做一个animation动画,使道路移动起来,大功告成!

知识点:

```
1. 定义 dom, 容器中包含 6 个元素
```

width: 9em:

height: 9em;

```
a. <div class="wheel">
       <span></span>
       <span></span>
       <span></span>
      <span></span>
       <span></span>
       <span></span>
      \langle div \rangle
2. 居中显示
     a. body {
       margin: 0;
       height: 100vh;
       display: flex;
       align-items: center;
       justify-content: center;
       background-image: linear-gradient (#555, #222);
3. 画出轮圈
     a. . wheel {
```

```
font-size: 25px;
      border: 0.4em solid #777;
      border-radius: 50%;
      box-shadow: 0 0 0 0.5em #111;
     }
4. 定义辐条的样式
    a. .wheel {
      display: flex;
      align-items: center;
      justify-content: center;
     }
    b. .wheel span {
      position: absolute;
      width: 8em;
      height: 1em;
      border: 0.1em solid:
      border-color: #ccc transparent;
     }
5. 定义变量, 画出多根幅条
    a. . wheel span {
      transform: rotate(calc((var(--n) - 1) * 30deg));
     }
    b. .wheel span:nth-child(1) {
      --n: 1;
     }
     .wheel span:nth-child(2) {
      --n: 2;
     }
     .wheel span:nth-child(3) {
      --n: 3;
```

```
.wheel span:nth-child(4) {
      --n: 4;
     }
     .wheel span:nth-child(5) {
     --n: 5;
     }
     .wheel span:nth-child(6) {
      --n: 6:
6. 让车轮转动起来
    a. . wheel span {
       animation: run 4s linear infinite;
     }
    b. @keyframes run {
       to {
              transform: rotate(calc((var(--n) - 1) * 30 \text{deg} +
 360deg));
          }
     }
7. 用伪元素画出地面上的线条
    a. . wheel \{
      position: relative;
     b. .wheel::before {
       content: '':
      position: absolute;
      width: 15em;
     height: 0.2em;
       top: 11em;
```

}

```
background-image: linear-gradient(
             to right,
             silver 0, silver 4em,
             transparent 4em, transparent 5em,
             silver 5em, silver 10em,
             transparent 10em, transparent 12em,
             silver 12em, silver 14em,
             transparent 14em, transparent 15em
         );
     }
8. 让地面上的线条动起来,形成车轮向前走的效果
    a. .wheel::before {
      background-position: 15em;
      animation: run2 6s linear infinite;
     }
    b. @keyframes run2 {
      to {
             background-position: -15em;
      }
     }
```