Homepage carousel.

We all know what a carousel is. An example is watching trains passing one car at a time in front of you.

On a home page, this can be greatly useful. A user would land on your page, and images or important highlights of the site would slide by from right to left one a time, without the user clicking next.

This being a common problem, we will not re-invent the wheel today. We will employ one of many libraries suited for this job.

It can be found here →
https://kenwheeler.github.io/slick/

A library is like a function. You give it raw materials, and get something in the end.

This library needs three things: The jquery library, found at https://www.jquery.com

 A chain of elements inside one parent, and a few tweaks in the options setting. Those two are displayed below.

There are two components to this: the row of images inside a class,

```html
<div class="your-class">
  <div>your content</div>
  <div>your content</div>
  <div>your content</div>
</div>
```

and the timing to slowly move them across. (here, ".autoplay" would be replaced by ".your-class")

```javascript
$('.autoplay').slick({
    slidesToShow: 3,
    slidesToScroll: 1,
    autoplay: true,
    autoplaySpeed: 2000,
});
```

Once you have those two together, you are essentially done.

Programming, a lot of the time is about solving a problem. If tested code exists and you have permission to use it, it would be best to use it. The permission is usually in the form of a license.

This link will explain how software licenses work
 → https://www.synopsys.com/blogs/software-security/5-types-of-software-licenses-you-need-to-understand/

In conclusion, we have discussed how carousels work, and for client work, the importance of using tested code wherever possible to do quality work. Lastly, the importance of software licenses in using other's code.