Solution: Print Part of a String

This lesson provides a solution to the challenge: print part of a string.

Solution

Here is the code that will print the part between the first "e" and the last "e" letter in a line.

```d
import std.stdio;
import std.string;

void PrintPart() {

    string line = "this line has five words";

    ptrdiff_t first_e = indexOf(line, 'e');

    if (first_e == -1) {
        writeln("There is no letter e in this line.");

    } else {
        ptrdiff_t last_e = lastIndexOf(line, 'e');
        writeln(line[first_e .. last_e + 1]);
    }
}
```

Code to print part of a string

Solution explanation:

- **Line 8:**

```
ptrdiff_t first_e = indexOf(line, 'e');
```

`indexOf()` function returns the index of the string where the first appearance of the character `e` is found.

- **Line 10:**

```
if (first_e == -1)
```

This condition will be true only when there is no appearance of character `e` in the string.

- **Line 14:**

```
ptrdiff_t last_e = lastIndexOf(line, 'e');
```

`lastIndexOf()` function returns the index of the last appearance of character `e` in the string.

- **Line 15:**

```
writeln(line[first_e .. last_e + 1]);
```

Now that we have both indexes, first and last appearance of `e` in the string, we are simply using the `writeln()` function to print the required part of the string. line[first,...,last+1] is a slice of the string.

In the next lesson, you will find a quiz based on the concepts covered in this chapter.