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## JavaScript regular expressions - Video 2.6

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### Video 2.6

### Specifying Ranges of Characters

- We can also specify multiple valid characters that we want to consider for matching
- For instance, we can look for specific characters

```
var numbers = '5 8 2 5 7 6';
numbers.search(/[012]/);           // 4
/[012]/.test(numbers);             // true
```
- Or ranges of characters or special characters

```
var password = 'password4real';
password.search(/[a-z]/);           // 0
```

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In this example, I have a string called password and

now rather than specifying every character for which I'm looking,

I can just specify the range using this notation, here I'm saying,

I'm looking for a match where there's any character in this range,

a-z, those are of course the lowercase letters.

**The search function will return the index of the first match.**

Here the first match in password is the lowercase p at index 0.

So calling search will return 0, because that's the first place we find a match

that is that contains a lowercase letter.

With these ranges, I can also use some special characters.

For instance, the \d indicates any digit being 0 through 9.

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