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# Getting URL Parameters in Node.js



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You can get url parameters in Node by importing the built-in `url` module.

## url Module – URL & URLSearchParams Objects

The `url` module gives access to the `URL` and `URLSearchParams` objects :

- `URL` object contains properties to read different parts of a url — such as protocol, host, path, hash, search parameters (query parameters) etc
- `URLSearchParams` object contains methods to perform operations on the **search parameters in the url** — getting parameters, adding new parameters, editing existing parameters or deleting parameters

```
const url = require('url');

// new URL object
const current_url = new URL('http://usefulangle.com/post/87/javascript-preview-pdf?id=123&type=article')

// reads the query string in the url
const query_string = current_url.search;

// will output : ?id=123&type=article
console.log(query_string);

// creating a new URLSearchParams object from query string
// this will read individual parameters
const search_params = new URLSearchParams(query_string);
```

You can either create a new `URLSearchParams` object (like above) or use the `searchParams` property to get access to the `URLSearchParams` object :

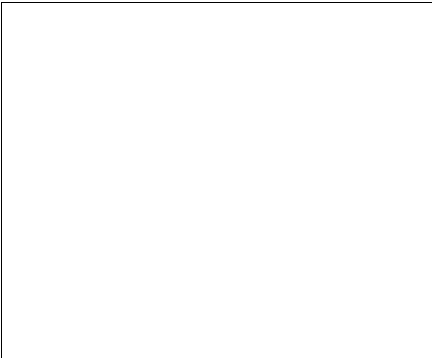
```
const current_url = new URL('http://usefulangle.com/post/87/javascript-preview-pdf?id=123&type=article')

// same URLSearchParams object as above
const search_params = current_url.searchParams;
```

Once you get access to the `URLSearchParams` object, you can get the url parameters.

## Getting Parameters by Name

- I. You can get specific parameter values using the `get` method of the `URLSearchParams` object.



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