

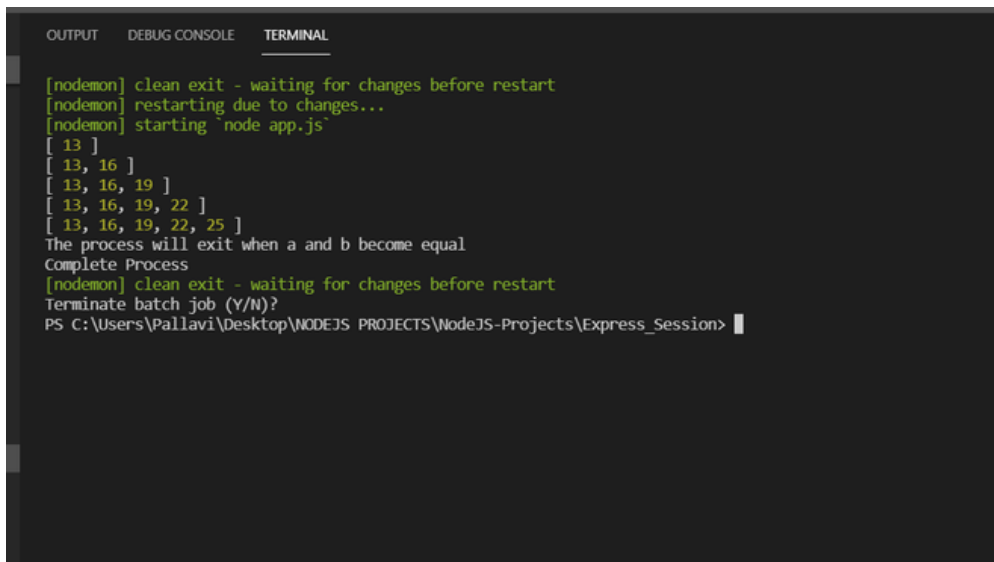


## How to exit process in Node.js ?

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In this article, we will see how to exit in NodeJS application. There are different types of methods to exit in Nodejs application, here we have discussed the following four methods.

**Method 1: Using `ctrl+C` key:** When running a program of NodeJS in the console, you can close it with `ctrl+C` directly from the console with changing the code shown below:



```
OUTPUT  DEBUG CONSOLE  TERMINAL
[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node app.js`
[ 13 ]
[ 13, 16 ]
[ 13, 16, 19 ]
[ 13, 16, 19, 22 ]
[ 13, 16, 19, 22, 25 ]
The process will exit when a and b become equal
Complete Process
[nodemon] clean exit - waiting for changes before restart
Terminate batch job (Y/N)? Y
PS C:\Users\Pallavi\Desktop\NODEJS PROJECTS\NodeJS-Projects\Express_Session>
```

**Method 2: Using `process.exit()` Function:** This function tells Node.js to end the process which is running at the same time with an exit code. By calling this function Node.js will force the current process that's running to exit as soon as possible.

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**Got It !**

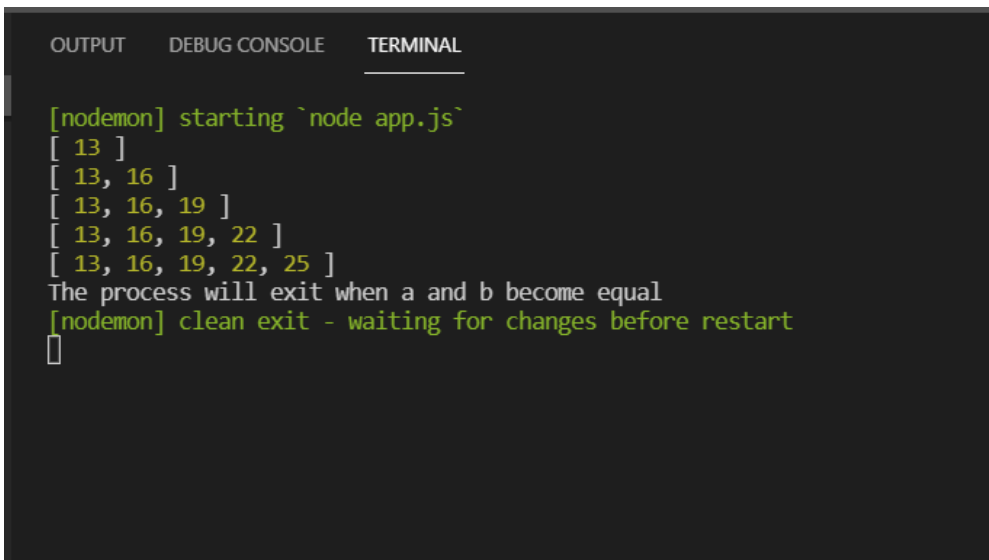


```
// will exit the process
if (a == b) {
  console.log("The process will "
    + "exit when a and b become equal");
  process.exit(0);

  console.log("Complete Process")
}

// It will print the result when
// a and is not equal
else {
  console.log(arr);
}
}
```

### Output:



```
OUTPUT  DEBUG CONSOLE  TERMINAL

[nodemon] starting `node app.js`
[ 13 ]
[ 13, 16 ]
[ 13, 16, 19 ]
[ 13, 16, 19, 22 ]
[ 13, 16, 19, 22, 25 ]
The process will exit when a and b become equal
[nodemon] clean exit - waiting for changes before restart
█
```

**Method 3: Using `process.exitCode` variable:** Another method is used to set the `process.exitCode` value which will allow the Node.js program to exit on its own without leaving further calls for the future. This method is safer and will result in less issues in your Node.js code.

### app.js

```
// An empty array.
var arr = [];

// Variable a and b
var a = 8;
var b = 2;
```

1. ctrl+c
2. process.exit(0) or process.exit(1) : method
3. process.exitCode = 0 : variable
4. process.on('exit', function()) : function

```
while (a > b) {

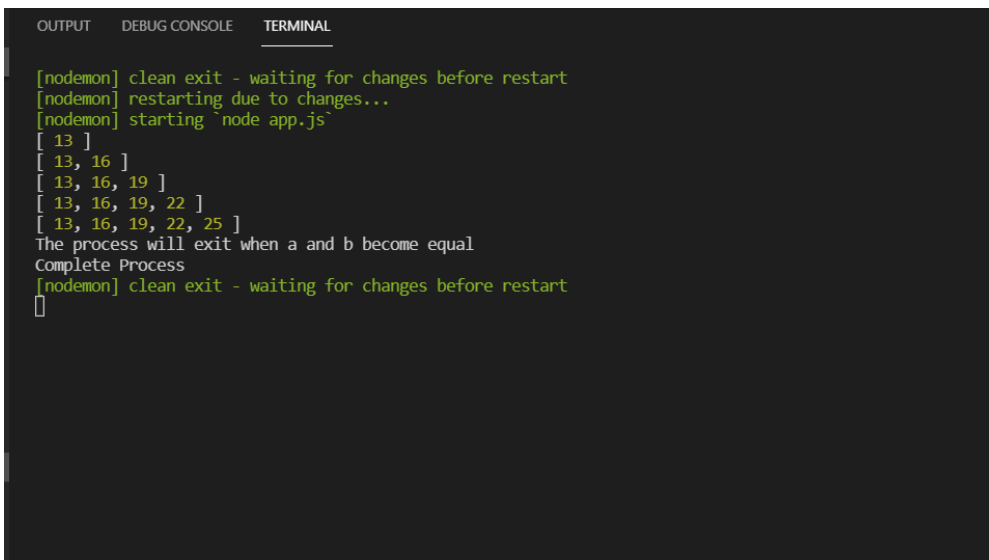
    // Increment then value
    // of a and b
    a = a + 1;
    b = b + 2;

    // Push the sum of a and
    // b into array
    arr.push(a + b);

    // If a and b become equal
    // it will exit the process
    if (a == b) {
        console.log("The process will "
            + "exit when a and b become equal");
        process.exitCode = 0;
        console.log("Complete Process")
    }

    // It will print the result when
    // a and is not equal
    else {
        console.log(arr);
    }
}
```

## Output:



```
OUTPUT  DEBUG CONSOLE  TERMINAL

[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting 'node app.js'
[ 13 ]
[ 13, 16 ]
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[ 13, 16, 19, 22 ]
[ 13, 16, 19, 22, 25 ]
The process will exit when a and b become equal
Complete Process
[nodemon] clean exit - waiting for changes before restart
[]
```

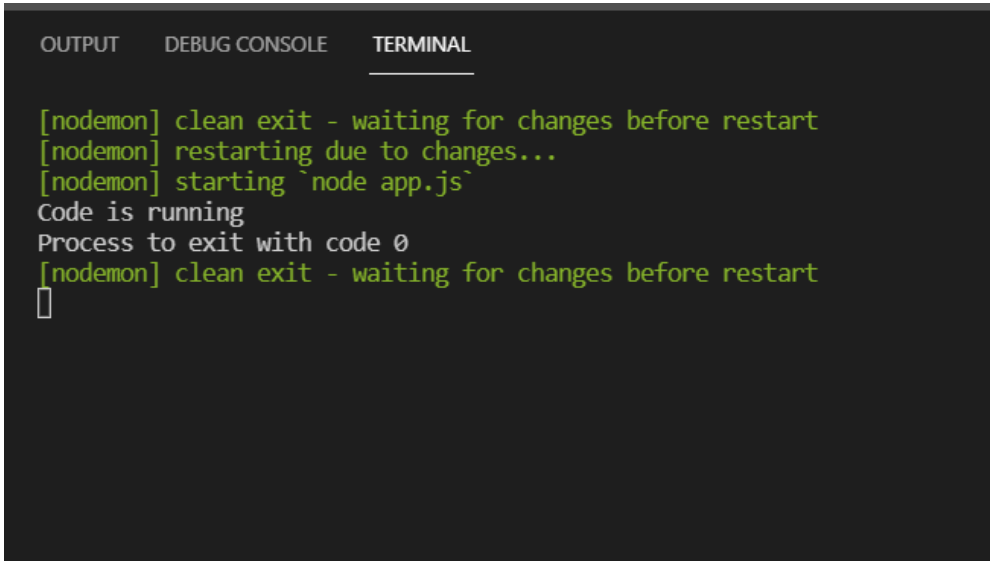
**Method 4: Using `process.on()` Function:** The **Process object** is a global variable that let us manage the current Node.js, process will exit when it reaches the end of the line of the code we do have to use `require` for the

## app.js

```
console.log('Code is running');

process.on('exit', function (code) {
    return console.log(`Process to exit with code ${code}`);
});
```

### Output:



```
OUTPUT  DEBUG CONSOLE  TERMINAL

[nodemon] clean exit - waiting for changes before restart
[nodemon] restarting due to changes...
[nodemon] starting `node app.js`
Code is running
Process to exit with code 0
[nodemon] clean exit - waiting for changes before restart
```

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