

TESTING IN JS

- Install Jest

```
npm install --save-dev jest
```

- Install jest in package.json file

```
"scripts": {  
  "test": "jest"  
}
```

- **Method 1 :-**

TWO SEPARATE FILES

FILE 1 (JS FILE)

- MAKE FUNCTION
- EXPORT MODULE - module.exports =FUNCTION_NAME

FILE 2 (TESTING FILE)(.TEST.JS FILE)

Example :-

```
const split_string = (split_str) => {  
  return split_str.split(" ");  
};  
  
test("splits string correctly", () => {  
  expect(split_string("I AM RAJ")).toEqual(["I", "AM", "RAJ"]);  
});  
  
test("handles empty string", () => {  
  expect(split_string("")).toEqual([""]);  
});  
  
test("handles single word", () => {
```

```
    expect(split_string("Hello")).toEqual(["Hello"]);
  });

  test("handles multiple spaces", () => {
    expect(split_string("Hello  World")).toEqual([
      "Hello",
      "",
      "",
      "",
      "World",
    ]);
  });
});
```

- **Method 2:-**

```
const add = (a, b) => {
  return a + b;
};

test("adds two numbers correctly", () => {
  expect(add(2, 3)).toBe(5);
});
```

For Strting use toEqual && for num use toBe