

GANPAT UNIVERSITY
U.V. PATEL COLLEGE OF ENGINEERING
B.Tech 5th Semester CE/IT
2CEIT5PE4: Software Packages

Practical-4

Core modules (file system, util, path, url) of Node.js

1. Read two values from a file and make addition, subtraction, division and multiplication.
2. Differentiate between synchronous and asynchronous file reading by example.
3. For the given string in the text file, split it into substrings which is separated by |(pipe) and display the result.

String: This|is|UVPCE|of|Ganpat|university

4. Write the following content in the html file using writeFile().

Content:

```
<html>
<head>
<title>
A Simple HTML Document
</title>
</head>
<body>
<p>This is a very simple HTML document</p>
<p>It only has two paragraphs</p>
</body>
</html>
```

5. Create an empty text file (file without content).
6. Rename the existing file with the new name and display system's error's message if it doesn't exist.
7. Delete the existing file and display system's error's message if it doesn't exist.
8. Take the existing file and add new 3 lines in it.
9. Print your bio-data using util.format in the console.

(your bio data should contain Name, age, mobile no, email_id, resident address, education qualification, occupation and current timestamp.)

10. Print the host and hostname from the given URL.

URL: <https://www.uvpce.ac.in:11/content/syllabus-it>

11. Using the search property of URL, print search parameters (after the '?') for the following url.

`https://www.google.com/search?sxsrf=ALeKk00zkMmOlhl2IKbhPhHy_gY57KJN_g%3A1598340885542&source=hp`

12. Parses a path to an object with the segments that compose it:

root: the root

dir: the folder path starting from the root

base: the file name + extension

name: the file name

ext: the file extension

PATH: H:\BACKUP\node\myexamples\CIRCLE.js