



Yeshwantrao Chavan College of Engineering

(An Autonomous Institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University)
Hingna Road, Wanadongri, Nagpur - 441 110







Department of Computer Technology

Vision of the Department

To be a well-known centre for pursuing computer education through innovative pedagogy, value-based education and industry collaboration.

Mission of the Department

To establish learning ambience for ushering in computer engineering professionals in core and multidisciplinary area by developing Problem-solving skills through emerging technologies.

Session 2025-2026

Vision: Dream of where you want.	Mission: Means to achieve Vision

Program Educational Objectives of the program (PEO): (broad statements that describe the professional and career accomplishments)

PEO1	Preparation	P: Preparation	Pep-CL abbreviation
PEO2	Core Competence	E: Environment	pronounce as Pep-si-lL
		(Learning Environment)	easy to recall
PEO3	Breadth	P: Professionalism	1
PEO4	Professionalism	C: Core Competence	1
PEO5	Learning	L: Breadth (Learning in	
	Environment	diverse areas)	

Program Outcomes (PO): (statements that describe what a student should be able to do and know by the end of a program)

Keywords of POs:

Engineering knowledge, Problem analysis, Design/development of solutions, Conduct Investigations of Complex Problems, Engineering Tool Usage, The Engineer and The World, Ethics, Individual and Collaborative Team work, Communication, Project Management and Finance, Life-Long Learning

PSO Keywords: Cutting edge technologies, Research

"I am an engineer, and I know how to apply engineering knowledge to investigate, analyse and design solutions to complex problems using tools for entire world following all ethics in a collaborative way with proper management skills throughout my life." to contribute to the development of cutting-edge technologies and Research.

Integrity: I will adhere to the Laboratory Code of Conduct and ethics in its entirety.

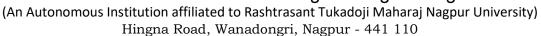
Name and Signature of Student and Date

(Signature and Date in Handwritten)





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NAAC A++ Ph.: 07104-237919, 234623, 329249, 329250 Fax: 07104-232376, Website: <u>www.ycce.edu</u>

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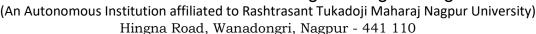
Mission of the Department

Session	2025-26 (ODD)	Course Name	Web Technology Lab
Semest er	3	Course Code	23CT1301
Roll No	B-173	Name of Student	Vedant H. Kapgate

D (1			
Practical	4		
Number			
Course	1. Understand various internet technologies.		
Outcome	2. Design the web pages using HTML and CSS.		
	3. Implement the XML technology to store the data.		
	4. Develop the interactive web pages using JavaScript.		
Aim	Write a program in JSON to store information related to		
	programming books along with edition and author name		
Problem	Write a program in JSON to store information related to		
Definition	programming books along with edition and author name, isbn		
	number, publish date, publishing house of 5 books		
Theory	This program shows how to use JSON objects in JavaScript to		
(100	display information on a webpage. The page has a simple design:		
words)	the background is aqua and the main heading is brown. In the		
	JavaScript code, five books are written as JSON objects, each		
	having details like title, author, edition, ISBN, publish date, and		
	publisher. Using document.write(), these details are shown on the		
	webpage under different headings. This makes it easy to see how		
	JSON helps in storing data in an organized way and showing it on		
	a webpage.		
Procedure	Step for Implementation:		
and	1. Create an HTML file and add basic structure (html ,		
Execution	chtml>, <head>, <body>).</body></head>		
	2. Inside <script>, define JSON objects with book details.</td></tr><tr><td>(100</td><td>3. Use document.write() to display object values on the web page.</td></tr><tr><td>Words)</td><td>4. Add <style> for background color, font, and heading formatting.</td></tr><tr><td>ĺ</td><td>5. Save the file with .html extension (e.g., books.html).</td></tr><tr><td></td><td>6. Open the file in a web browser to view the output.</td></tr></tbody></table></script>		



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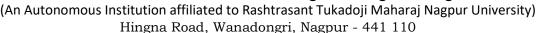
 $To \ be \ a \ well-known \ centre \ for \ pursuing \ computer \ education \ through \ innovative \ pedagogy, \ value-based \ education \ and \ industry \ collaboration.$

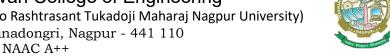
Mission of the Department

```
Code:
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>JSON</title>
  <script lang="javascript">
    var obj1={"book_name":"Let Us C","author":"Yashavant
Kanetkar","edition":"20th","ISBN":"9789355513364","Publish_Date":"2023","Publis
hing House": "BPB Publications" };
    document.write("<h1>JSON with JavaScript example</h1>");
    document.write("<br>");
    document.write("<h3>book_name = " + obj1.book_name+"</h3>");
    document.write("<h3>author = " + obj1.author+"</h3>");
    document.write("<h3>edition = " + obj1.edition+"</h3>");
    document.write("<h3>ISBN = " + obj1.ISBN+"</h3>");
    document.write("<h3>Publish Date = " + obj1.Publish_Date+"</h3>");
    document.write("<h3>Publishing house = " + obj1.Publishing_House+"</h3>");
    var obj2={"book name":"Python Crash Course","author":"Eric
Matthes", "edition": "3rd Edition", "ISBN": "9781718502703", "Publish_Date": "May
2023", "Publishing_House": "No Starch Press"};
    document.write("<br>");
    document.write("<h3>book name = " + obj2.book name+"</h3>");
    document.write("<h3>author = " + obj2.author+"</h3>");
    document.write("<h3>edition = " + obj2.edition+"</h3>");
    document.write("<h3>ISBN = " + obj2.ISBN+"</h3>");
    document.write("<h3>Publish Date = " + obj2.Publish Date+"</h3>");
    document.write("<h3>Publishing house = " + obj2.Publishing House+"</h3>");
    var obj3={"book_name":"Java: The Complete Reference","author":"Herbert
Schildt"."edition":"13rd
Edition","ISBN":"99781260463415","Publish Date":"2021","Publishing House":"Mc
Graw Hill"};
    document.write("<br>");
    document.write("<h3>book_name = " + obj3.book_name+"</h3>");
    document.write("<h3>author = " + obj3.author+"</h3>");
    document.write("<h3>edition = " + obj3.edition+"</h3>");
    document.write("<h3>ISBN = " + obj3.ISBN+"</h3>");
    document.write("<h3>Publish Date = " + obj3.Publish Date+"</h3>");
    document.write("<h3>Publishing house = " + obj3.Publishing_House+"</h3>");
```



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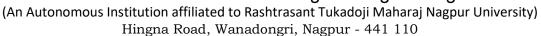
Mission of the Department

```
var obj4={"book_name":"The C Programming Language","author":"Dennis M.
Ritchie", "edition": "2nd Edition", "ISBN": "9780131103627", "Publish Date": "April
1998", "Publishing House": "Prentice Hall" };
    document.write("<br>");
    document.write("<h3>book name = " + obj4.book name+"</h3>");
    document.write("<h3>author = " + obj4.author+"</h3>");
    document.write("<h3>edition = " + obj4.edition+"</h3>");
    document.write("<h3>ISBN = " + obj4.ISBN+"</h3>");
    document.write("<h3>Publish Date = " + obj4.Publish_Date+"</h3>");
    document.write("<h3>Publishing house = " + obj4.Publishing_House+"</h3>");
    var obj5={"book name":"Head First Java","author":"Kathy Sierra, Bert
Bates", "edition": "3rd
Edition", "ISBN": "9781491910771", "Publish_Date": "2022", "Publishing_House": "O'Re
illy Media"};
    document.write("<br>");
    document.write("<h3>book_name = " + obj5.book_name+"</h3>");
    document.write("<h3>author = " + obj5.author+"</h3>");
    document.write("<h3>edition = " + obj5.edition+"</h3>");
    document.write("<h3>ISBN = " + obj5.ISBN+"</h3>");
    document.write("<h3>Publish Date = " + obj5.Publish Date+"</h3>");
    document.write("<h3>Publishing house = " + obj5.Publishing_House+"</h3>");
  </script>
  <style>
  body {
    font-family: 'Times New Roman', Times, serif;
    background-color: #d7d7e9;
    margin: 0;
    padding: 20px;
 }
 h1 {
    color: burlywood;
    text-align: center;
    margin-bottom: 40px;
 }
 h3 {
    color: #34495e;
    margin: 5px;
 }
</style>
</head>
<body>
</body>
</html>
```





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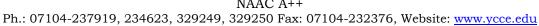
	Output:		
	□ ⊕ JSON × +		
	← C ⑤ File D:/Vedant/p4.html		
	book_name = Let Us C author = Yashavant Kanetkar edition = 20th ISBN = 9789355513364 Publish Date = 2023 Publishing house = BPB Publications book_name = Python Crash Course author = Eric Matthes edition = 3rd Edition ISBN = 9781718502703 Publish Date = May 2023 Publish Date = May 2023 Publishing house = No Starch Press book_name = Java: The Complete Reference		
	author = Herbert Schildt edition = 13rd Edition ISBN = 99781260463415 Publish Date = 2021 Publishing house = McGraw Hill book_name = The C Programming Language author = Dennis M. Ritchie edition = 2nd Edition ISBN = 9780131103627 Publish Date = April 1998 Publishing house = Prentice Hall book_name = Head First Java author = Kathy Sierra, Bert Bates edition = 3rd Edition ISBN = 9781491910771 Publish Date = 2022		
Output Analysis	When the program is executed, the web page displays a heading "JSON with JavaScript example" in brown color on an aqua background. Below the heading, details of five books are shown one after another. For each book, the title appears as a larger subheading, followed by its edition, author, ISBN, publish date, and publisher in smaller subheadings. A horizontal line (<hr/>		
Link of student Github profile where lab assignmen t has been uploaded	https://github.com/vedant0517/Web-Technology-SEC-B-173		



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Conclusio n	This program shows how JSON can be used and display structured data. Book details are and displayed dynamically on a styled web p	organi	ized as ob	jects
D1	an effective way to manage and prese	(Particular		(
Plag Report		0% Plagiarism	Exact Match 0%Partial Match 0%	100% Unique
(Similarit y index < 12%)	This program shows how to use JSON objects in JavaScript to display information on a webpage. The page has a simple design: the background is aqua and the main heading is brown. In the JavaScript code, five books are written as JSON objects, each having details like title, author, edition, ISBN, publish date, and publisher. Using document.write(), these details are shown on the webpage under different headings. This makes it easy to see how JSON helps in storing data in an organized way and showing it on a webpage. When the program is executed, the web page displays a heading "JSON with JavaScript exampler" in brown color on an aqua background. Below the heading, details of five books are shown one after another. For each book, the title appears as a larger subheading, followed by its edition, author, ISBN, publish date, and publisher in smaller subheadings. A horizontal line (Download Report ∨	
) separates the information of each book, making the output clear and organized. This program shows how JSON can be used in JavaScript to store and display structured data. Book details are organized as objects and displayed dynamically on a styled web page, proving JSON is an effective way to manage and present information.		Congratulation! No Plagiarism Found	
Date	19/08/2025			_