

VASANTDADA PATIL PRATISHTHAN'S COLLEGE OF ENGINEERING & VISUAL ARTS

Experiment No 10 Aim: - Weite a program "Hello world" using http module of Node. is Demonstrate PEPL in Node. is Theory; - The HTTP models in Nodels allow us to create a basic web server that can lister for HIIP request and ouspond to them. How the program works; · http. create server(): This method creater a new web
sorver. it accepts a coulback function that will be executed every three a vagvert is McCived by the perver. · res. write Head 1): - This method sets the status code and Headon for the verponse. In this care it sends a 200 ok status with a content type of text/plain of the outpour, which is "Hello, world!". · ru. end (): This method signals the end of the resports. * server-lister (3000): This tells the server to listen on port 3000. When the server is ready, it legs a message to the console including that it is vrunning.

REPL in Node. is in REPL stends for Pead-Eval-point Loop. it is an interactive chell provided by Node Where you can enter commands have them I evalu and see the output immediately. This makes it useful! for testing and debugging. The Repl performs the following tooks: 1) Read: Reads user input and parses it into	is at
Javascript data structure.	
Java confe daxa spreet	
11) Eval: Evaluates flu parsed data structure.	
111) print: prints the result of the evaluation.	
1) Loop: Loops back to read move input.	
(a) COOP: (BO) 10-00 /	
05W (00 add's)	
REPL Commands;	
1) exist: Fait the REPL	
114 is at - 2 armand	
11) · help: - Show REPT Commands 11) · Save filengme: - Sque the Correct REPL session to a fik-	
1) · load filenam; Load a file into REPL for execution.	
Conclusion: Hence we have successfully implemented a	
Conclusion: Hence we have successfully implemented a program "Hellowark" Using http module of Node.js.	



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	Eliconnect No: 11
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	Him: White a gragam which will perform file operation in Node-Is using file system module.
	In Mide-15 Wing file system modele.
	API to interact with the file system. it
	API to interact with the file system. It
	allows you to perform file operation like reading willing, updating, deleting and sunaming files.
	wolfing, updating, deleting and stonaming files.
	Final II. 0 (0)
	Explanation of fik operation.
17	fs. write File (): creates a new file and writer data to it.
- 4	As contained. Oracle differ the diff cont. Court to it.
-	- If the file already exists, it overwrites the orders.
	The file series of the series
-	- A synchronous and non-blocking.
mineral	
一十	Arguments: - Tupath of the file, content to write, callback
	function that handles any erron.
	그 이 시간 그는 그리고 그렇게 이 시간을 모습니다면 그는 그를 하는데 그런 하는데 그리고 그는 그를 먹는데 그를 하는데 그를 잃었다면 살았습니다. 소사는 이번 그는 이 모든
27	fs. append File: Adds data to an existing filewithout overwinting
	the Context.
	- If the file does not exist, it orester a newsom.
	- A synchronus and non- blocking.
	J
	- Argument for The file path, content to append, combacks
	- Argument for The file path, content to append, combacks function that heights any coron.

	fs. read File U:- Read the content of a file. - A synchronous and non-blocking. - Arguments + The file path. - The encoding ('U+f 8' to read the file as 9 Spring).
	-> A Synchronials
	Argument of The non-blocking.
	The en coding the path.
1. 11/11	a chi in the file as
	Cerllhack a all the
	Callback funethm to handle the data or error.
	그는 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그
4)	fs. rename (): - you can Change fle name of a file Using fs. rename(). This is particularly Useful for renaminey uploaded files or Organizing files in different categories.
	using the there of a tile
	18. 8 organe (). This is particularly
	compil for renemine uploaded files or
	Organizing file in different categories.
5)	fs. Unlink - The fs. unlink() method dulete a pol
	from the file system. It's important of
	disk space and viennering unity
	fs. Unlink - The fs. unlink() method delete a file from the file system. It's impostant for maintainin disk space and viemoving unnecessary files.
C	mchiains -
100	on Chusians Hence we have successfully implemented
	a polytram walk. will parform file appealm
	in Nade. 18 Using file system module.
Const.	



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Exporiment	No	N
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Almit a program which demonstrate session handling in Express Js.

Theory: -> Express Js is a minimal and flexible web

application framework for Mode: Js that provide

a viologist set of features for building web and

mobile applications. It Gimplifies the process of creating

server side application, by offering built-in middlework

routing, and other utilities. for handling HTTP request and ourpose.

Session Handling in Expressions session Handling is a machanis Used to mointain state across multiple request in aweb application. fine HTTP is a stateter protocol it does not keep track of previous interactions between the client and server- sossion allow the server to store uper data for the dereation of a User's interaction with a website or until the session is terminated.

In Exporen-15, ression handling is commonly done Using the exporest-session middleware. This middleware allows you to shore data on the server and gives each client a unique sestion ID stored in Cookies.

Key concept of session Handling; →

- Dessim ID: A unique identifier stored in a cookle on the client side and sent with each request to the server.
- 11) sessions tore; Stores Gersion data on the server-side

 By defaut, express, session spore data in memory
- 111) session Expiry in sessions can be set to expire after

 a specified period, allowing for session

 management & improved selving.

Conschering Hence, we have Successfully implemented

g program which demonstrates sestin

handling in Express. Ts.