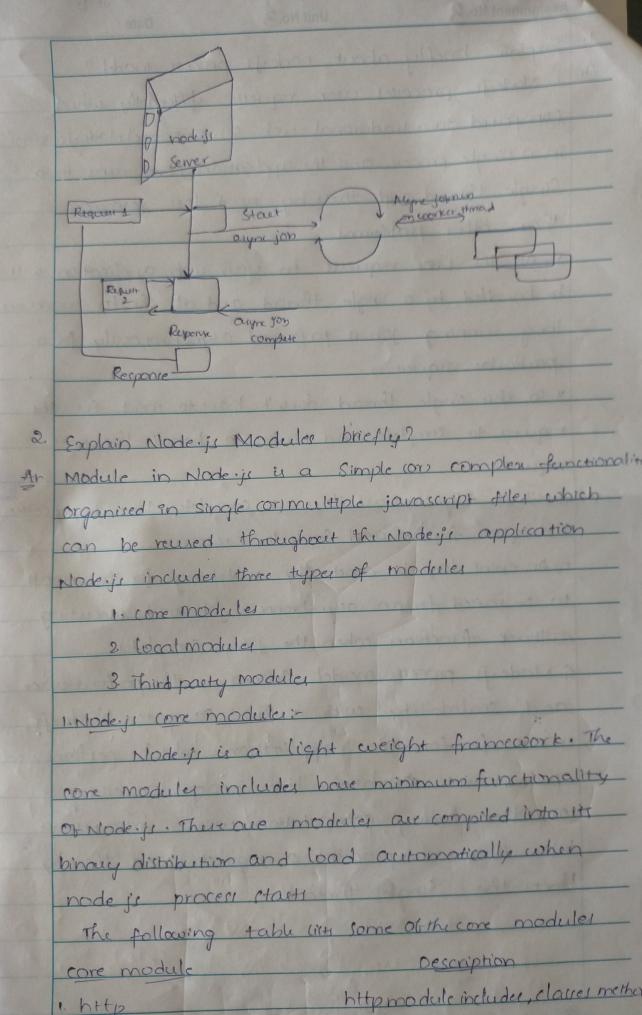
Date

1. Explain briefly about node je process model? Ar 1. Mode je processes user requests differently when compared to a traditional use server model Node ; s runs In a single process and the application code runs in a Single thread and there by need less resources than other platforms 2. All the user requests to your web application will be handled by a single thread and all the 1/0 works on long running job is performed asynchronoculy for a particulae request 3. So, the single thread doesn't have to wait for the request to complete and is free to handle the next 4 When asynchronous ilo work completes then it processes the request further and sends the response 5. An event loop is constantly watching for the events to be raised for an asynchronous job and executing callback function when the job completes. 6. Mode is process model increases the performance and scalability with a few carreate Node je is not fit for an application which performs cpu-intensive operations like image processing (or) other heavy computation work because it taky time to process a request and thereby blocks the Single thread



1. http

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Miodule. exports = log

Export module in Node is:

The module exports is a special object which is included in every javascript file in the node; application by default: The module is a variable that represents the current module and exports is an object.

Preparing Today's Students to define Tomorrow's World

Explain the process of creation of Moderiff and
with example?
To accen web pages of any web application, your
need each server. The over server will handle out the
http requests for the web application
Create Nodey's urbsener:
Node je makes it easy to create a simple ash
sener. The web server processes incoming request acyrchroness
The following example is a simple Moder's eveblencer contrained
in sener js file
Somer-je
copy
vac Attp = require ('http)
vac Server = http: (nearle server (function (neg, res) ?
5);
Server listen (5000);
conside log ('Node js webiener at part 5000 is running")
In the above example, we import the http module using
require () function The http module is a cone module
of Node, is, so no need to intall it coming Npm.
of Node.js, so no need to intall it coming Npm.
Ob Node, js, so no need to install it coming Npm.  The next step is to call create server () method of
of Node. s., so no need to initall it coming Npm.  The next step is to call create sever() method of  http and specify callback function with request and
of Node. is, so no need to initall it coming Npm.  The next step is to call create sever() method of  http and specify callback function with request and  response parameter. Finally, call listen () method of sever
of Node, is, so no need to initall it coming Npm.  The next step is to call create server () method of  http and specify callbook function with request and  response parameter. Finally, call listen () method of serve  object which has returned from create server () method
of Node.je, so no need to install it coming Npm.  The next step is to call create sever() method of  http and specify callback function with request and  response parameter. Finally, call listen () method of sever  Object which has returned from create severe I method  with port number, to start listening to incoming request
of Node. is, so no need to install it coming Npm.  The next step is to call create sever () method of  http and specify callback function with request and  response parameter. Finally, call listen () method of sever  object which has returned from create sever () the thod

4. Discuss about Node package manager (Npm)? Av \*Node package Manager (Npm) is a command line tool that installs, updates organizal! Node je packages in your application \* It is also an oline respiratory for open source Node-js packagu \* The node community account coorld creater eneful modules and publishes them as packages in the repository # 17+ how now become a popular packenge manner for other open socuce java script frame coorks like Angularijs, query Gulp Browser etc official weblik: https://www.ppmjs.com Npmis included with Modeje initaliation. After you install Node is verify Npm installation by writing the following command is terminal con command prompt \* If you have an older version of Npm then you can update it to the latest version using the following Conumand \* TO acces Npm help, write npm help in the command fromt con terminal window Npm performs the operation in two modules global and local. In the global mobe, NPM performs operations which effect all the Node is applications on the computer wheras on the local mode Npm performs operation for the particular local directory which effects an application in that directory only.