2/1/	EPIVODE-02/ Igniting Four App
17.1	
=>	npm does not stands for node parkage manager
=>	nem does not have any full form
=>	nommer packages. It behind the reare manages packages only but does not stand for node package manager.
	for node porkage managen.
4157	on it
=>	When we do spon finition and I do de that
	ett vi ti bre novijsgosiog tog su liter
	configuration file for nom.
=>	Our lint in the late or action
	Our project is defended on lot of others pockages also collect as dependencies and rem
	takes core of their parkages and varion and
	it will take core of these packages in
	package, jan.
1 2	

e para esta de escolario moderna esperante esperante en esperante en esperante en esperante en esperante en es Comparte de la comparta en esperante esta esperante esperante en esperante en esperante el esperante en espera	Virue row we have configured spor for our forjests we can now install fackages (defendancies) to our foots
	The most important package in our project
	When ive hour littere! And, c.11, je files our code needs to bundled minified, coched, compered, cleaned before It can sent to production so the bundler holps in doing these things
=>	Bundles basically bundles our app, packages our apps so that it can be pushed to production exic webpack, parcel, xtr these all are bundless that bundles our app.
	there are two dependencies which our app can have:-
	(1) der dependencies. (ii) Normal dependencies.
=>	der dependencies are required during the development
	Normal dependencies are used in the production also.

A SENSE

and the same of th	
=>	to une up printed ppm install to parcel
	bartel barbar . In ha latter
, ,	
=>	with the hole of this command we are
,	basially Jetching Kinstalling) porcel of for the upon.
=>	Now this package joon is house: der Defendencies": Y
3. (4)	de Dependencies ". Y
700	j "parel": "^2.45.4"
	3d, 15 - 1 12 1 12
y 3.	because it keep tracks of all the delectrices
भी जी।	and the same of th
भा भा	rational officer should be a second of the s
=7	the contract of the contract o
-/	we have 1 (Conet) whin 120154 where id
	There would be minor change in the version
	there would be minor change in the version like (2.15.5) then parcel will automatically upolate It.
n.	
,	(~) tilde will install major review of it like 3.000.
:	11 11 00 00 11
	It is generally sofe to use (1) over here
	ble for major updates a lot of charges goes over home
\Rightarrow	Atten we motall had
	After we install parcel we got another file
	package-lock. I von and a folder nocle-modules.
= =	harkose-lock i an kodi Hou I i
4	package-lock jon keeps they took of oxact version
	instance and ollows the dated versions
=>	package inon has the inner date in it it of in a in
	package, just has the varie data with it like(13.15.4) , but package-lock, just locks the exact version and kep trak git.
	installed

	packege-lock, jon has also integrity in which
3.130	it has shall host to veryly that whoten
200	the is the version of app in loid
	machine It must be the lane to the
	version that is being deployed to the
V	production.
=>	we fetched from nome, It takes all the
	we fetched from npm., It takes all the
-	code of parcel and but it over here
	in mode module.
	Service of the servic
=>	So, package-jeon is the configuration file
	for nom and node module is like the
	dotabase that has data of all dependencies.
1 7 , , ,	and pakages that own project reed.
to ver	migration and common the 2 to
tolet	- the star law to find the start of
=>	Now since we just install the parcel then
6	why the other pockages come in the
	node modules. It is because parcel als have
. , t	vant dependencies and there dependencies have
	other dependencies and this is colled the
	Transfire dependencies.
/	
=>	Just like our project is dependent upon the
	harsel. Parcel 1+sey can be defendent -on
cy tel	parkel. Parkel Hery can be dependent on
	on other things and that why we have
	Jol of packages (folder) inside it like
	parcel uses babel.
- 3	

Digte

Jul 110 our project has bookinge jon eval dependencies have their own postegregion with maintains their dependencies. Now, since we have a lotting files folder, bortages (dependancies) vainside the node indule is it not the good proctice or gethub - No and that's why we use gitifore and it is used who we don't want in some : gles ... to got to git an moderation but we can put the package i son and package-lack just on the gething because It contains of the dependencies that our project need and parkage date just maintain the and if we have parkage just and parkage -las in you we can recreate all our hode modules. by hitting nom initial if our rate modules are deleted and that's why it is not required to gether. => Wholever things that can be regenerated don't bet. It had ston git in many => There is only one porkage-lock. juon and it maintain the exoct version of all the dependencies that us have in our project including that of node no dule and that's why it is lengthy.

Try Trail Can

=> 10, install Read on a parkage now. opm intall react of pm i reat and also install Peach DOTY: => npm install react-dom raidelle trained Now we has just installed feart and feart-one and now just it by Importing for Rode-module folder using: import React from "reacti" in Inside modele import ReactDOM for "react-dom"; enite it madean in larger the his with the the state and and the offer Browser simple of the state will give enter Exact. At happens because normal javavenipt files connet support imports or exports to to tell them
this is a module write lovide expt ty Of while type = "module" United the sound of the sound o also in never venton we import frost DOM as :import ... Recitours forming eat - don' client"

How if any changes mode to any file parel will automobility updates that. Hence Paral does - Der Build 1700 1000 localit sterver and from - HNR = 11 ot Module Reployment Parcel uses to File wideling: Algorithm rise then in continuous and it raves quickly Parel du does - chiching - which makes - foster Bilds for us. So, pared is whire the things in parcel-cache and by next time when you do anything it quickly builds that rest time and takes less time than initial builds. - Image optimization

- Ministration (9) files for production build) - Buriellige - Brindlige Compress (like removing white spaces Hence react is fast be cause Af these countries of they were other libraries and hence there are fast.

Page - Considered Horiza - Differential Bundling (to rupport off an older bowen) Dignostic (presenting errors in beautiful way) - Erron handling - Make bud repries wer HTTP intend of HTTP Tree shaking (remove unused code). - Different der god prod bundles build production app use: -> 70 npx parcel build index. html and its will generate bode tion level files dirt , and it compress , se into 3 main files : Index. html index, css index. Jir. I was in These 3 fles contains all our code and there are the production ready code. A these and factoge parcel-coate are organized => frib no read to hubbando git. folders > 8~9 ma local reno Note: hostoge won pakaje jon Cit (S) feather hatoge jon

	If the demlight wood files and folders does not but to git the bright light colour free absectly turked its git. Page: Date:	The state of the s
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	local venues	
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