Assignment No 5.

Explain date & Sime filter in a angular with In angular you can implement date & Sime Make sure you have imported Dute pipe form filening ving pipes. Jargular Common in your components. import & aute pipe 3 from Quangular / common; most & component 3 From Gargular (core) import & Date pipe 3 from & angular/common; selector: app: date. Jime excimple; scomponent (E Demplate: / date time - example. component intml; style un: [:/date- Jime - excemple. component. 3) export class Date Time Example Component & cumentaate: Date = new Date (); corrent Date: Dak: new Dute ("2024.03.2. 7177: 00:00)3

constructor (Private datepipe: Datepipe) 53

tomaticument Date (); string & return this date pipe tranform (this . Eument Duk. 7774-mm-dd HH.mm-Ss):

html :-(1) (ament Date: {2 format current Date () 3) 4/1) (1) Current Date: EE Formate Corner & Date ()33 Kp) DED What is routing in agular? -) Roufing !-Routing in agular allows you to movingate to between different component to view in your sind some application (SPA) without reloading the 1) Setting up Routens: In angular project define your routers in the app-nouting-module us file as in separate routing 2) Creating Components: -Creak the conforments referented in the routers for example create 'home component.)s' cebout component d Carbinous Componenty 1) Novigation: Use angular direction such as nowher link to marigat between routs in your Hame template. The router outlet director will dynamically closed the component asiociated with current source 4) Router Powernetors: your can define with pomoneker to hardle dynam aluta.

(3) Explain dependency injection in argular with example?

2) Dependency Tyenton (DJ):-

Dependency injection (D) in Angular is a design pattern wind to provide 6 manage. dependencied within your application. It helps in creating closer coupled components 6 facilates festing reusability 6 maintenability.

- Demerating server: 
  first a service that you want to inject into
  your components. Services are typically used for
  sharing date or Jocationality across multiple
  components.
- 2) Injection the service:
  Next iject the service into your components

  constructors. Angualans one system will take core

  os providing an infance or the service when

  components is created.
- 3) Using the service:
  How you can we the service method or
  proposties within your components.
- The priding Service in module or components:

  providing Service in module or components an

  you can also provide Services of the module

  or components. Level.
  - 5) Injecting other Dependencies: There apart toom essentices you can also.

inject other dependencies fire other service. HTTP

COUD Explain SPA in Angular !-

SPA (Single page application):

Angular is well-suited for building SPA's due
its powerful features like routing, data birding a
dependency injection.

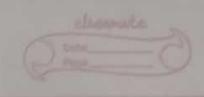
- 1) Fouting setup!.

  It regular's router alow you to define ditterence souter for your application. Jou com tigure routing in the app- souting-products file or in seperator routing module.
- component structure: 
  Organize your cyplication into components each

  component & represents a joint of your applicate

  UI Components can be merted to create comple

  UI structure.
- Use Argular data binding system syntax bind date from your components class to its template this desired to dynamically update the of build on changes in your application data.
- Use Angualar service to encapsuatate business alogic dala access to other chared fuellor outity service tan be injected into compensation



making them reusable te-bustable.

- 5) HTTP Requests: -
  - Nee Angualan's Http. client module to make http request to a convert for testing dala is or interacting with API's.
- of Testing: white until tests 4 end: to-end tests to
  ensure the reliability 4 correctness of your
  applications.
- (95.) Explain Typescript or orgular with example?
  - import & components 3 from 'exangular/core'; import & httpclient? from @ angular 1 component / http's import & obiservable 3 from 'varys';
  - @ component ( (

Setector: app-root"; templateuri: /app. Component. html; syleuri: [:/app. component. css:]

- export class Appromponents ?
  viers &: objevable <any);
  - constructor (private http. http (Siant) {

    This user & this. http. set ('http://sconplace
    holder, typicale. com/ wors");

we import necessary module like 'Component's
'notp Client' 1' observable from Argular. Corre
modules.

We define Type script class App. Component for acpresent a component in Argudar writhin cupe component class us declare a variouble urear to extype observable Karry) to hold data relatived from API Synchronosly.

Inside the constructor we make HITTP GET request wing 'http Glent' service to tetch the dato.

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