Assignment Duestions 1- Encapsulation in Java is va concept of Bundling Data (Data Land methods) within single Unit, known vas clan. Jaka is to lide internal idetails & necessary for outside unorld to interact. It is realled Data Hiding Since it valso provides va vary ito control vacces to internal component of object, vallowing certain parts to be public & others to be private. 27 It comes with several features like Acces Control Data Hiding Code Organisation and security fetc. 4- this Keymord can be used nethod. Enouple -

Page clanabe public word Data (Stringcor, unt this car = car this year = year, public gold show psum (car +" "+ year) prom public clan deurs psum (String () args obj. show Q. What happens if you keys veture type for houst suctor It will show compilation donor Constructor cloesn't have seture type, not even wood

I. How is No-argument ronstructor different from Default hi Both have slight Difference. - Default constructor ispecial itype of no-argument Java compiler provided by in iclas. emplicitly idefined Whereas No-argument is emplicitly defined in I class to perfort expecific initialization itasks . Why do we need Static Keyword in Jana. tur estatic keyword is used for memory indipagement. and efficient. Static whialiles une estored souce and wan he used throughout the program. Enaught is in the notes, englavid

lanue ideclare local variable s istatic Am. No, it is not possible Local variable is present unside method or block. Static variables work associated unth relas Level variables, not for those that focal I to ospecific block. D. July is static block enegeted before main method in I java. An Ju Jana, when clan is Loaded wito Jun, sto Main method lucause other was idesigned i care enecuted clan Loading Broces

Practical Assignment . Greate iclass that keeps track of the number of instances Areated. Implement Istatic variable and method caccomplish this. estatic int ic= 0 pullic static void display () Sopla ("No of unitances weated"+c c obj! = new abc(); c obj 2 = new abc () obj 2. display

I. WAP And weate constructor with parameters and initialise viable using constructor. import jano util. # iclass wasc String name; unt lage pullic labe (String name, intage this. name = name; this cage = cage ! public String get some O public voict edisplay Sopla psum ("Name: "+ this nor Sopla ("Age: "+ this age "+ this name, public iclas Launch abc psum (String Dargs abe 1 person 1 = new abe 1 ("John be, 25) person idisplay ();

Use private Keymord for variable land use settle and getter methods to initialise & print values. import jana util *; iclass idse private String name; private unit lage public String get Name () I butturn name, public usid set Name (String name this name I name public int get Agel) return age; public into word wit Age (untrage). { this age = age il public sclan getter setter psum (String wargs ()) gettersetter obj = new getter setter () obj. set Age 18 Obj. set value & Dushul" Sopla (obj. get Age (5) Sopla (obj. get Name