OOD Pakview using Python: . I bjective of 900 Itis the programming preading in where any world entity can be seen as object having characteristics and pharions as methods are functions The sample on example and bush the ascussion on it confider a delivery company responsible of delivering pactings and enviores, and there are drivers and some for each driver, so we will have several closses and methods to replesent the company's project. MIL OF the dasses Delivery I Hm. partiage anconcione · seretal att 1 bytes elasses extends the end state of other Delivery I'm class acciust solvan and also hart they coun method, constructors. and Aputes and methods Driver dass, scepte south the driver responsible of delivering the poetra pesos the envelopes

Bouls are instances of the class which each objects will have all do to helds and can phase with all the methods in 8i de the vass Type of variables in class · Inpython, all various are proble by stault is a class. · To marke a minoble poste wouse the notation as _ variable soit will be private also this applies to methods. Stabe 18 non state > 8 table variables are variables stared syoull the instances of a class, as of des not belong to a certain object caches vely CX inouc case the and m Integer guand son Comple. > ran sahe variables use the date folds of cach intone of the class. Note: In the dass whiteg I ten the lande sona Generalor is polatistance and the senat Nammar is a priate non to be but set internally in the class automatally Tuthod types: 7 Instance Tuthods: ac mithods that greates or instances of the class, like the setters and getters. They are defined as det instance technod (self), called as solf. Tuthod Mane () > Class ruthods I Are methods und to be ony to a class, defined as def dasstathed (cls), to access the nethods, use dassvare, dasstill) This methods once cartled as assible = class vines dossitethed (), the variable will inhartas an object of shis class. In our example, the Tulnot get Mad Sonal (als) is across ruthod but her widehied it a avata since it & behavior UST 19 Side the class. state ruthods are another tuthod used in he cass life the halper ruthods orang Of an method not belonging to an object or a dass, 1715 allow by the vass Name in this example the has Insurance (Delices Ihm) 15 acs take restrad, caled in the add, ancel mourante as Denicy I tema top Instant Ugs Mane

Class Structure! Class Vame: + prior to state various + instace ruthods and constructor 3 det init - (self, data holds > settis: defection (self, date (cld) settes det get ~ (self) cohum self, duta - SHOKE TUTANS softer instance muchods + obs Rethods @ dass tethods + outland with sas, lite -copi-. Tribable an instagle: import class Name from 64. pg. varable = class Name (att ibutes) alles selkes and gethes it we want by a richle - richard, (pice as a set ruthors are the instance rechods and state nethods. 5 Inhepitana: . The onher thank is the concept of inhahing all aspects of a certain percentatuss anto a subclass and ends or everibe functionallities inent example in did two subclasses extending the Deliny item class, It class to the Poetage and the and is the Envige das. How to extend a class? in the suboloss, Importate flente the ment class exists and from it impatt the class cx: chass Envelope (Delivery Item) on the - thitis purall the parameters of the Percent and the would wass Licalith supor) - init () with parent clars para netos a call the solks at the child chirs How to orrade a thicked trans in Participes all it with the same signature of the percent one exidet - report (self), and considet the strong - represented

- General Notes! 1. I decreet to call sand - Cop 1 (tell), 8000 al ready to puts about solf so when gilling or method from such dass named topped self to eg. 2 isns force will give I can though with Dolling Item will give the of the then should as Energy Package. 3. Incorrect to use for example: m det set de hiveres (solf) de likeres; la parice if solfendelverks is None: this will give an eccor because wire we are chetting idelicas but its of not initialized. To annone if we use batthe be giving of the nothed if not haspito (solf, Lakenes): self. delience = [] Note 1 Booker approach in Pathon is to allowin all anables in the sait fet, and as the setters it later on we want to change the values of the deta.

2. By aday It all is public in python. A

and mythods are public.

Self is not passed as an algument.

Stabil method are and using pata

and overided it is want to chang

on the child class. Also we can all of . By default all is public in python All officients . Statil nethod are and using patrit das nethod), can be overided it is want to change its browning in the child class. Alsow an allet using spec (Rethod)