* What is oop? List oop concepts. -) our is the Object - oriented programming.

there are five concepts at our 1. Object: an object can be defined as an entity that has a state and behavior. 2. classes: Class can be defined as a blue point of the object. It is basically a collection of objects which art as builting blocks. 3. Abstraction: Abstraction helps in the delty hiding process it helps in displaying the essential features without showing the details or the functionality to the use. 4. Encapsulation: The avacapping up of duty and functions together in a single unit is making our excepsulation. it can be achieved by making the duty members scope private and the member functions scope public to access these data members 5. Inheritance: Inheritance is the process in which two classes have an is-a relationship among each other and objects at one class acquire properties and Features of the other class. the class which inherito the features is known as the child class, and the class whose features It inherited is could the perront class

6. Polymorphism: Polymorphism mens many forms
It is the ability to take more than one form
It is a feature that provides a function or
an operator with more than one definition.
It can be impelemented using function overbading operator overload function overbading virtual function. * What is difference between our and POP.9 > The basic difference between our and por both Oriented Paggacumming" and POP denoting "Procedure Oriented Programming" oop and pop both are high level programming buguesges that solve problems, but they take distinct techniques programing paradigms are the technical terms for these methodologies - oop has 4 Pillars which is mentioned belowed. 1. Abeteactim 2. polymorphism 3. Inheritace 4. Encapsulation - Advantages at OOP Morntenance of the Code 1 this is more of a must for any paggaramming language it somes were Ame -) Secondity - We are filtering out restaicted don't to
expose though don't hiding and abotraction methanisms
expose though don't hiding and abotraction methanisms
while offering
cottical don't to see:

- Re-usability: it entitle repurposing some facilities wither than constanting them from scoratch. this is accomplished through the usuge of a dup * Dis admandages of oop! - Size: Objecte objected Applications are significantly larger than other kinds of programs. - Effort: Object - Oriented Programs require a lot of work to create - Speed! Because of their size, object oriented programs are slower that other applications * POP! POP is a step-by-step approach to decompose a teal into a set of variables and souther living a set of instructions. - Advantages of POP 2. Coding! The ability to jump immediately into coding a program without having to constant any objects or dusies is a door advantage of procedural programming. 2. Ability to Grasp! Another benefit of procedural paggaramming is the cause with which it can be lowaned. Many prayoumnon begin their triining by copying code from the internet.