Pactory Pattern: (creational design Pattern) It provides an interface for creating objects in a superclass, allowing subclasses to after the type of objects that will be created. The encapsulate object creation logic in a seperate method, peromoting loose coupling between the creater and the Greated object! cond 1: Whenever we want to create an object cond 2: But object creation is based on some condition et say we have too classes class 1 class 50 (
if (cond)

return ob;

return ob Class 100 sole duplicacy while returning object because use have to add this condition to return this obj again and again in every class of code when object is generaled with beautien. **Scanned by Scanner Go**

Shape factory class main shape interface to object how Page Date / Shape << Interface >> Shape factory void draw(); hal-a Rectangle square draw () mainc pe get Shape (String in Switch (input) ¿ case " Eircle" acturn new Circle main function created Shapefactory ebject case "Square" return new Squarel Shape objet = new Shapefactory(); case "Reetingle"
Shape objet = obj. getshape ("circle"); return new Roctorgke
Bbis draw(); Now this draw function of 11 be Scanned by Scanner Go

that can be grouped into two or more forms as independent factories. · Abstract Factory Pattern Lux -> Lux wy (Factory of Factory) ord - ordinary Factory II | Vehide | Ectory | Jervehide(); I vehicle factory vehicle (Interface) vehicle factory Lux factory ord factory Lax 1 Jux 21 ord 2 ord 2 Retigen of average() average() average() average() Roben objet Luxwy vehide 3 Creturen objects of ond vehille * Abstract factory Pattern is used when there is need of more than one Factory. factory I! Returns the object of actual vehicle based on two different I group (Lux, ord) factory I : Returns the objects of vehicle factory, ie either hux factory or ord factory. **Scanned by Scanner Go**