

Name - Rashmi D. Vadagare
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Assignment - 3 (Coops)

Page No.
Roll No.

Date :

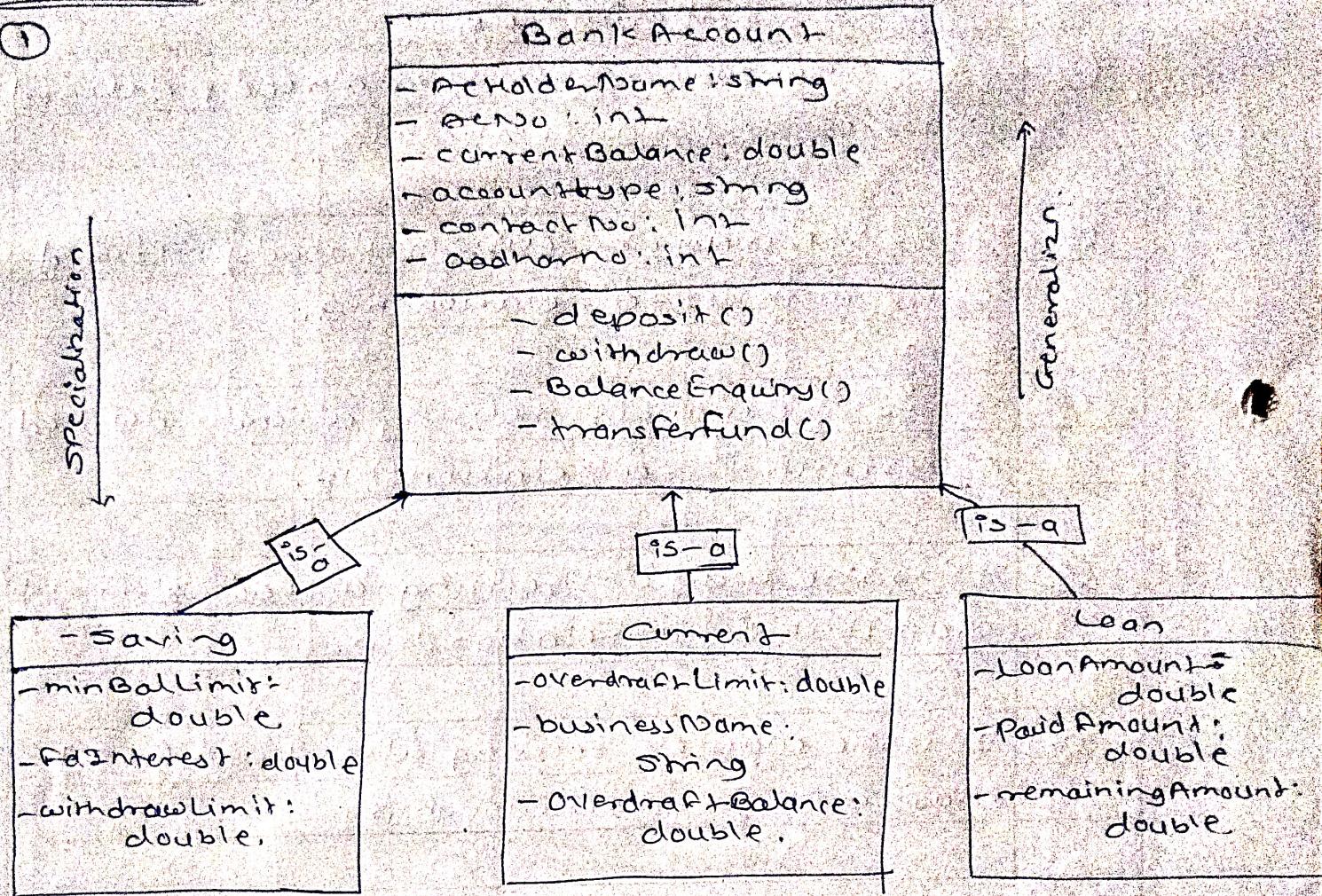
* Inheritance *

- ① It is the way of reusing already defined class with is-a relationship.
- ② It is the way of reusing already defined class with is-a relationship.
- ③ It is the way of reusing already defined class with is-a relationship.
- ④ It is the way of reusing already defined class with is-a relationship.
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- ⑧ It is the way of reusing already defined class with is-a relationship.
- ⑨ It is the way of reusing already defined class with is-a relationship.

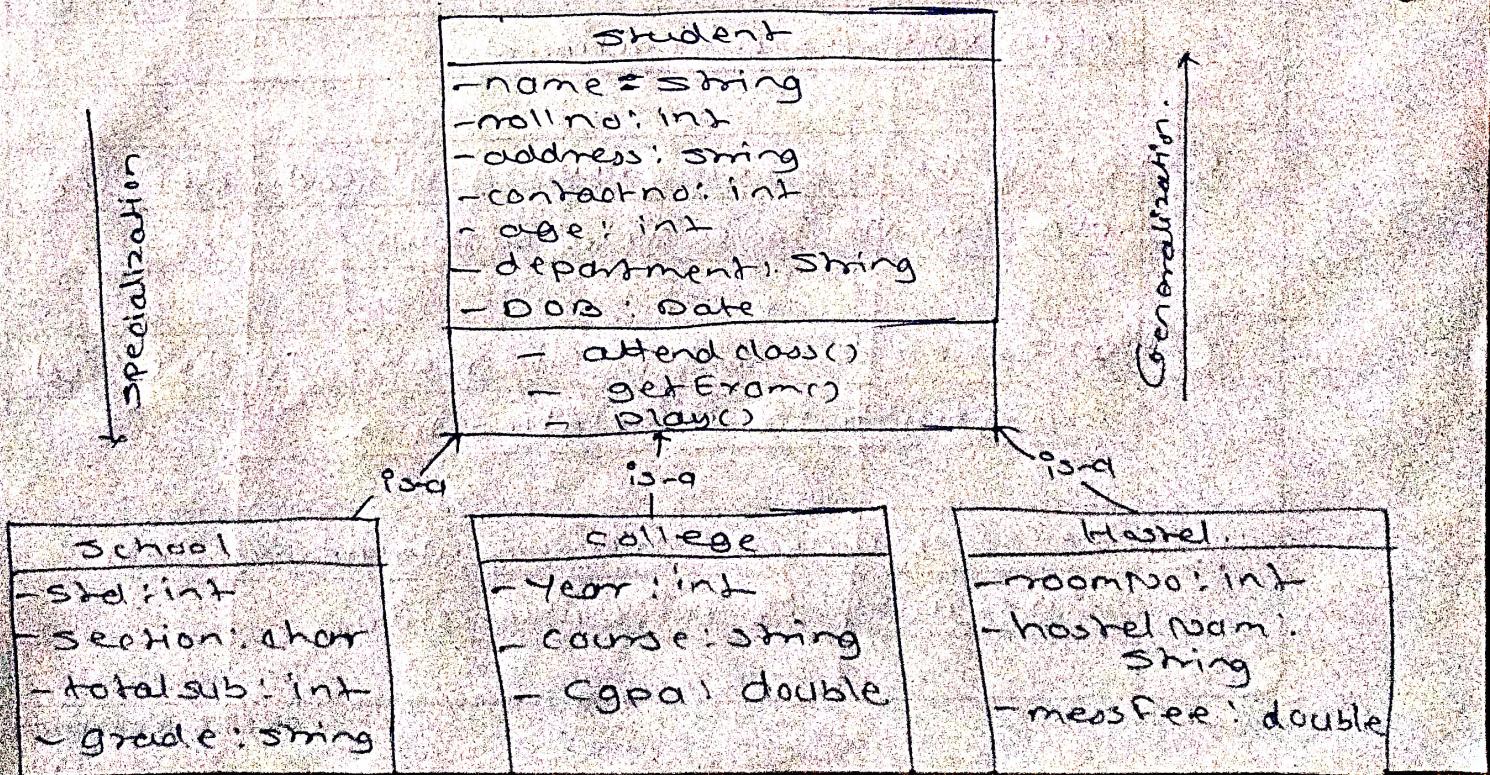
⑩ It is the way of reusing already defined class with is-a relationship.

Example -

①



②



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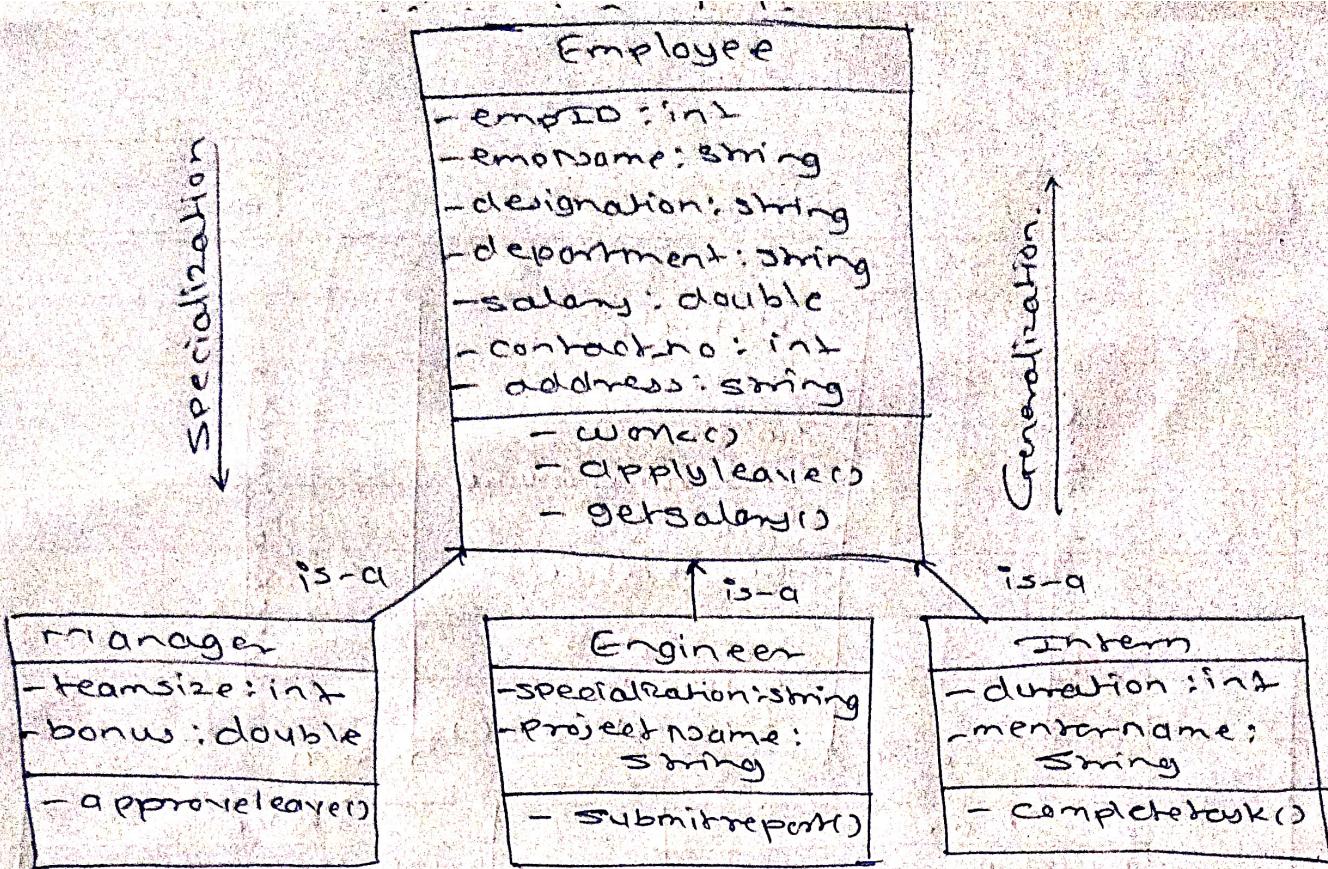
Page No.

Roll No.

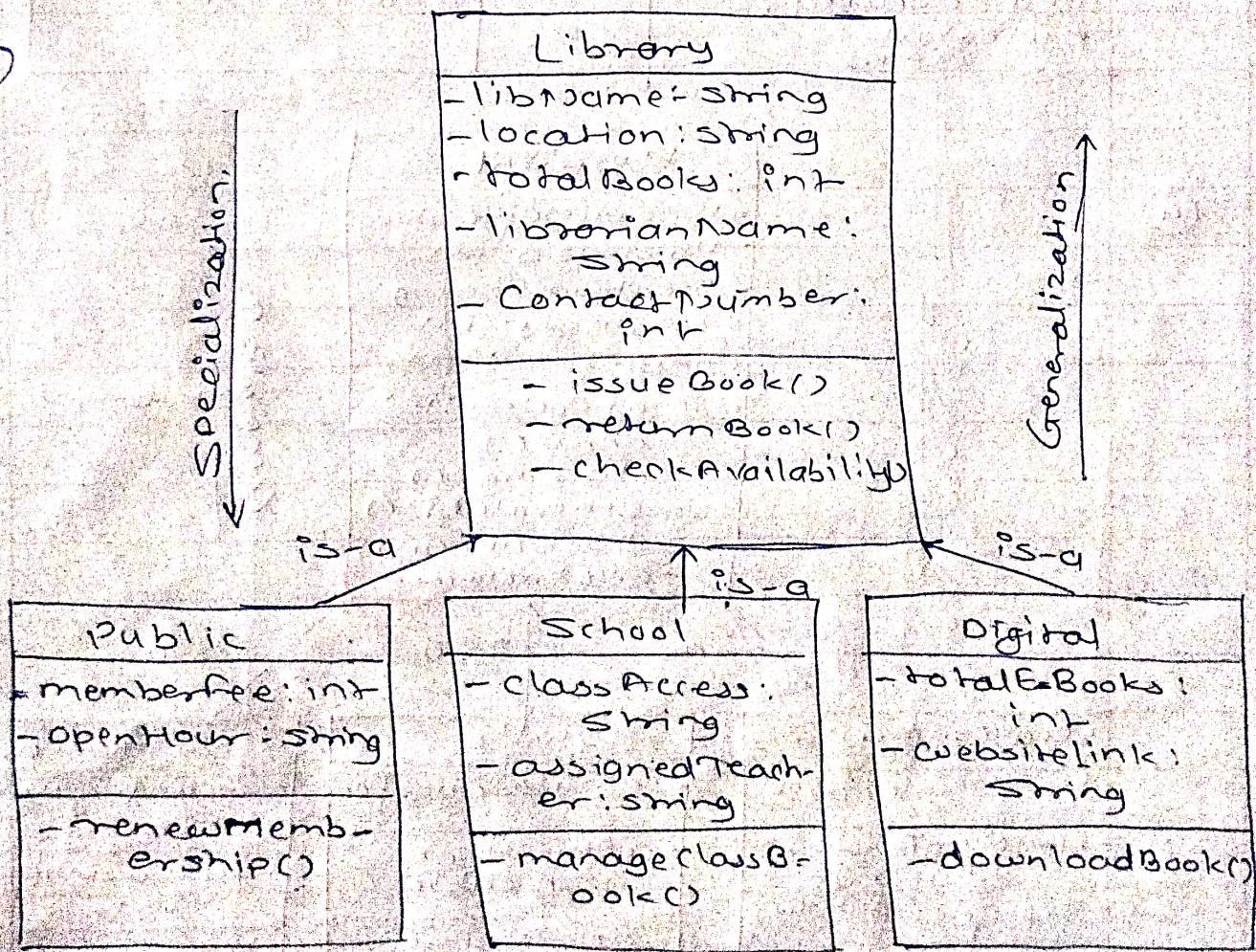
		Vehicle			
(2)	Specialization	<ul style="list-style-type: none"> - vehicle number - color - company name - fuel type - no. of wheels - start() - break() - accelerate() 	Generalization		
		<p style="text-align: center;">is-a</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; padding: 5px;"> Car no. of doors : int seat capacity : int Autosell Cars </td><td style="width: 50%; padding: 5px;"> Bike no. of gears : int has kickstart : bool </td></tr> </table>	Car no. of doors : int seat capacity : int Autosell Cars	Bike no. of gears : int has kickstart : bool	
Car no. of doors : int seat capacity : int Autosell Cars	Bike no. of gears : int has kickstart : bool				

		Hospital				
(4)	Specialization	<ul style="list-style-type: none"> - Hospital Name : string - Hospital ID : int - location : string - total Beds : int - contact no : int - total Doctors : int - admit() - discharge() - generate bill() - assign doctor() - give treatment() 	Generalization			
		<p style="text-align: center;">is-a</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 5px;"> Government free service : bool </td><td style="width: 33%; padding: 5px;"> Private consultation fee : int room charge : double </td><td style="width: 33%; padding: 5px;"> Specialized speciality type : string no. of Surgeons : int conduct operation() </td></tr> </table>	Government free service : bool	Private consultation fee : int room charge : double	Specialized speciality type : string no. of Surgeons : int conduct operation()	
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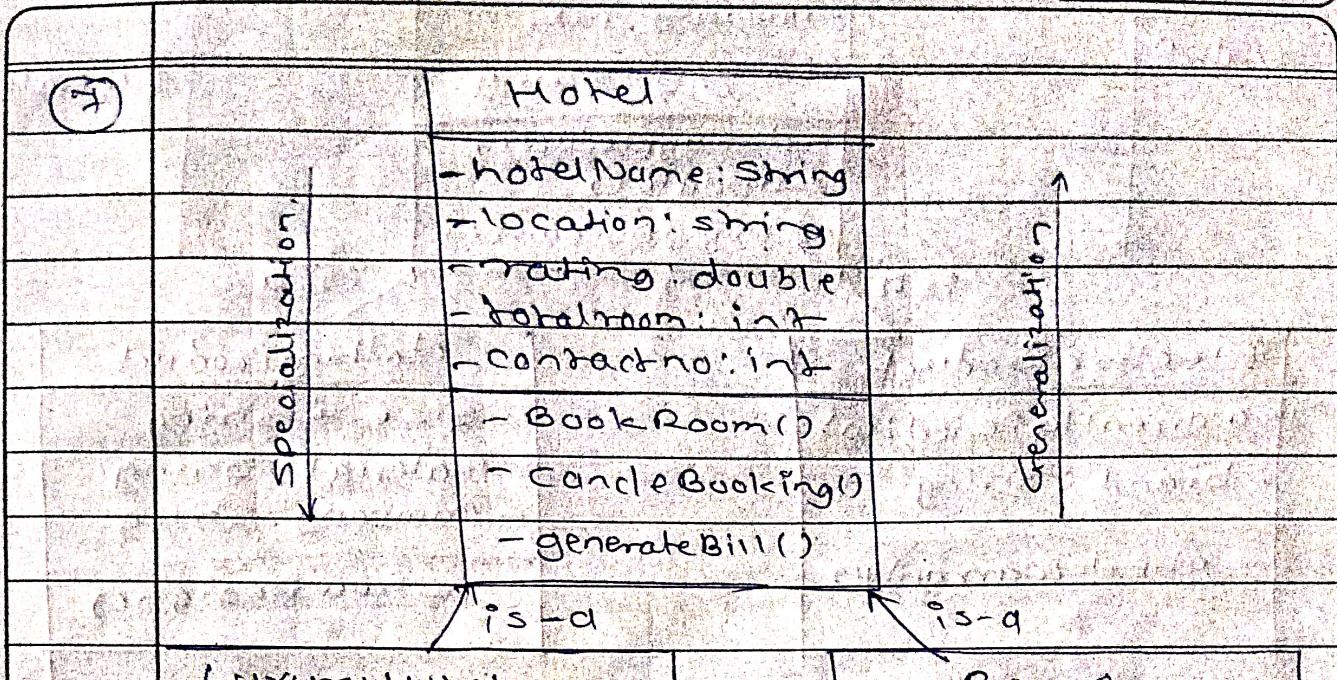
(6)



Date :

Page No.

Roll No.



Luxury Hotel		Resort
<ul style="list-style-type: none"> - spaAvailable: Bool - roomServiceCharges: double - organizeEvent() 		<ul style="list-style-type: none"> - PoolAccess: Bool - dailyRate: double - offerDiscount()

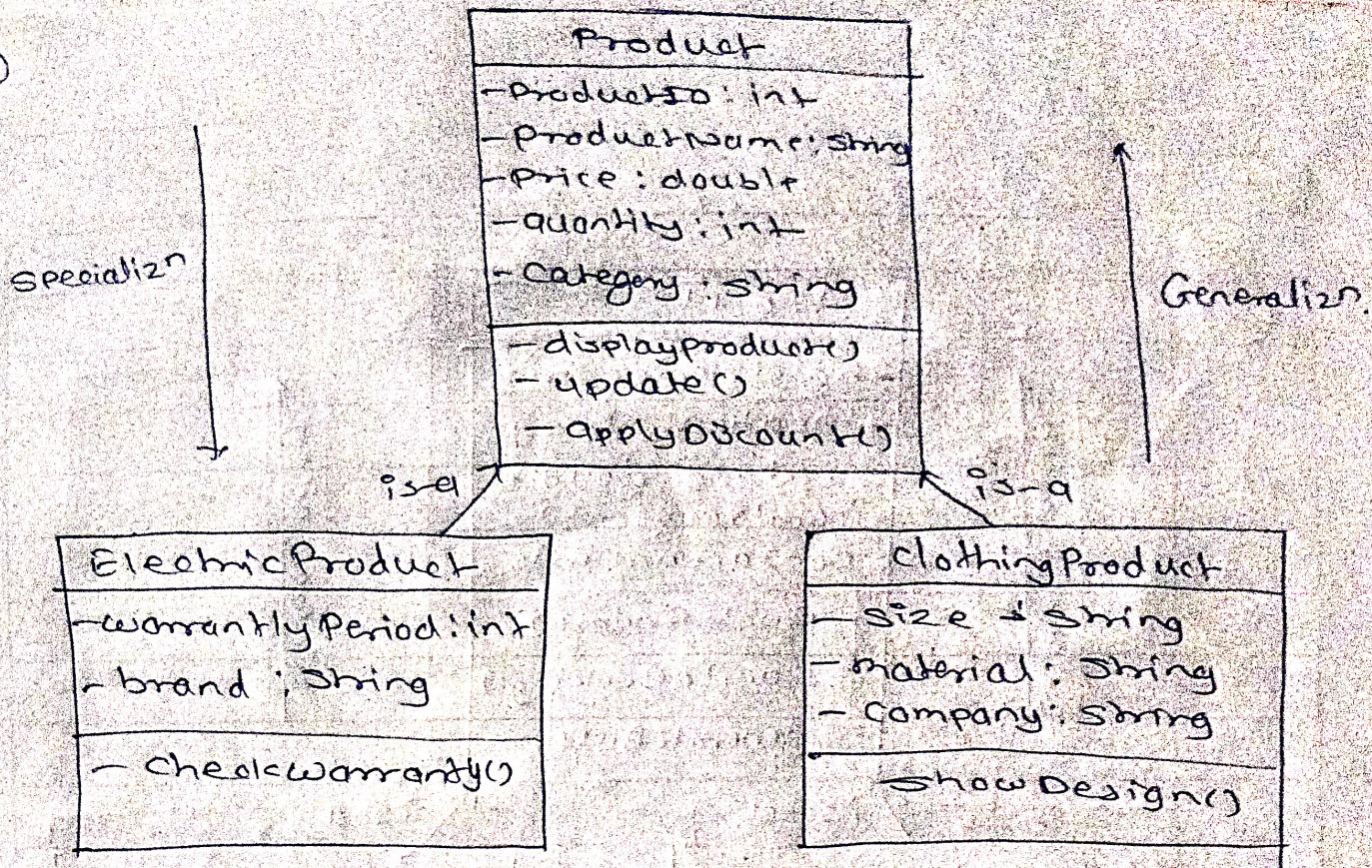
8

	Person	
	<ul style="list-style-type: none"> - name: String - age: int - gender: string - address: String - contactno: int - getDetails() - updateAddress() 	Generalization
Specialization		
Doctor	<ul style="list-style-type: none"> - specialization: string - hospitalName: string - department: string 	Generalization
Lawyer	<ul style="list-style-type: none"> - caseCount: int - courtName: string - lawyerType: string 	Generalization

is-a

is-a

(9)



(10)

