

Name	Muhammad Sohaib
Reg No:	8719
Subject	OOP
Department	BSSE
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Submitted to:	Dr. Sadaf Tanvir
Github Repository link	<a href="https://github.com/msohaaib/OOP-A1.git">https://github.com/msohaaib/OOP-A1.git</a>
Github username :	msohaaib

**Question # 05 : UML Diagram**

Employee
-id : String -name: String -position: String -salary : double
+Employee(id: String, name: String, position: String, Salary: double) +setId (id: String):void +getId ():String +setName (name: String):void +getName ():String +setPosition (position: String):void +getPosition ():String +setSalary (salary: double):void +getSalary ():double +salaryRise(percentage: double):void

**Question # 06 : UML Diagram**

Book
-title: String -author: String -isbn: int -status: String
+Book(title: String, author: String, isbn: int, status: String) +setTitle(title: String):void +getTitle():String +setAuthor(author: String):void +getAuthor():String +setISBN(isbn: int):void +getISBN():int +setStatus(status: String):void +getStatus():String +borrowed():void +returned():void

**Question # 07: UML Diagram**

Item
-id: String -name: String -price: int -quantity: int
+Item(id: String, name: String, price: int, quantity: int) +setId(id:String):void +getId():String +setName(name: String):void +getName():String +setPrice(price: int):void +getPrice():int +setQuantity(quantity: int):void +getQuantity():int +totalCost():int

**Question # 08: UML Diagram**

Movie
-title:String -director:String -genre:String -releaseYear:int -rentalPrice:Int
+Movie(title: String, director: String, genre:String, releaseYear: int, rentalPrice: int) +setTitle(title: String):void +setDirector(director: String):void +setGenre(genre: String):void +setReleaseYear(releaseYear: int):void +setRentalPrice(rentalPrice: int):void +rentMovie():void +returnMovei():

**Question # 09: UML Diagram:**

MenuItem
-id: String -name: String -description: String -price: double -availability: String
+MenuItem(id: String, name: String, description: String, price: double, availability: String) +setId(id: String):void +getId():String +setName(name: String):void +getName():String +setDescription(description: String):void +getDescription():String +setPrice(price: double):void +getPrice():double +setAvailability(availability: String):void +getAvailability():String +updateAvailability():String

**Question # 10: UML Diagram**

Appointment
-id: String -date: String -time: String -clientName: String -purpose: String
+Appointment(id: String, date: String, time: String, clientName: String, purpose: String) +setId(id: String):void +getId():String +setDate(date: String):void +getDate():String +setTime(time: String):void +getTime():String +setClientName(clientName: String):void +getClientName():String +setPurpose(purpose: String):void +getPurose():String +reschedule():String