North South University
Department of Electrical and Computer Engineering
CSE 215L: Programming Language II Lab

Quiz-01   **Set-B**   **Time: 45 mins**

Implement the following class and test its methods:

Performer   [2]
- stageName: String   - email: String
+ Performer(stageName: String, email: String)   + getStageName(): String   + getEmail(): String   + showPerformerInfo(): void

Concert   [3]
- name: String   - concertCode: String   - performer: Performer
+ Concert(name: String, concertCode: String, performer: Performer)   + getName(): String   + getConcertCode(): String   + getPerformer(): Performer   + displayConcertDetails(): void

Attendee   [6]
- attendeeName: String   - ticketNumber: int   - concert: Concert
+ Attendee(attendeeName: String, ticketNumber: int)   + attendConcert(Concert concert): void   + viewConcertDetails(): void   + displayAttendeeInfo(): void

- **attendConcert():** Allows an attendee to attend one concert.

- **viewConcertDetails()**: Shows concert info and performer info by calling displayConcertDetails().

- **displayAttendeeInfo()**: Prints attendee details and the concert they're attending

Now write a TestProgram class and test the following:

1. **Create an array of 2 Performer objects:** [2]
   - Performer 1: DJ Nova, nova@beats.com
   - Performer 2: Luna Echo, luna@music.com

2. **Create an array of 2 Concert objects, each associated with one performer:** [2]
   - Concert 1: "Midnight Beats", Code: CN101, Performer: DJ Nova
   - Concert 2: "Echo Vibes", Code: CN102, Performer: Luna Echo

3. **Create an array of 2 Attendee objects:** [2]
   - Attendee 1: Name: Ayaan, Ticket Number: 4123
   - Attendee 2: Name: Zara, Ticket Number: 4187

4. **Assign each attendee to a different concert using attendConcert().** [1]

5. **Use a loop to call displayAttendeeInfo() for each attendee to show full details.** [2]