

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

Quiz-01 Set-A Time: 45 mins

Implement the following class and test its methods:

Trainer [2]
- fullName: String - contactEmail: String
+ Trainer(fullName: String, contactEmail: String) + getFullName(): String + getContactEmail(): String + displayTrainerInfo(): void

Workshop [3]
- title: String - code: String - trainer: Trainer
+ Workshop(title: String, code: String, trainer: Trainer) + getTitle(): String + getCode(): String + getTrainer(): Trainer + showWorkshopDetails(): void

Participant [6]
- participantName: String - registrationId: int - workshop: Workshop
+ Participant(participantName: String, registrationId: int) + joinWorkshop(Workshop workshop): void + viewWorkshopDetails(): void + showParticipantInfo(): void

- **joinWorkshop():** allows a participant to join one workshop.
- **viewWorkshopDetails():** displays the workshop's info and the trainer info by calling showWorkshopDetails().
- **showParticipantInfo():** prints the participant's details and the workshop they're attending.

Now write a TestProgram class and test the following:

1. Create an array of 2 Trainer objects: [2]

- Trainer 1: Ms. Nafisa, nafisa@skills.com
- Trainer 2: Mr. Azim, azim@skills.com

2. Create an array of 2 Workshop objects, each associated with one of the trainers:[2]

- Workshop 1: Title: Data Analytics Bootcamp, Code: WKS101, Trainer: Ms. Nafisa
- Workshop 2: Title: Java Programming Essentials, Code: WKS102, Trainer: Mr. Azim

3. Create an array of 2 Participant objects: [2]

- Participant 1: Name: Fahim, Registration ID: 3056
- Participant 2: Name: Sumaiya, Registration ID: 3092

4. Enroll each participant in a different workshop using the joinWorkshop() method. [1]

5. Use a loop to call showParticipantInfo() for each participant to print their details, including workshop and trainer information. [2]