Assignment 1:

Event:
 #id   : **int**
 #title   : **string**
 #start_time : **string**
 #end_time : **string**
 #max_participants : **int**

PaperEvent : **Event**
 -topic1 : **string**
 -topic2 : **string**

PosterEvent: **Event**
 -topic1 : **string**
 -topic2 : **string**

Quiz: **Event**
 -max_marks : **int**

CulturalEvent: **Event**
 -members : **vector<string>**

Registration :
 +get_event_list() : **vector<string>**
 +get_participant_info(person) : **string**
 +check_existing_registration(person, event): **bool**
 +add_registration(person, event): **bool**

Participant :
 -name : **string**
 -ug   : **int**
 -age   : **int**
 -address : **string**
 -gender : **string**
 -email : **string**

Assignment2

```
Company:
      -min_work_time : int              // In hours
      -float overtime : float           // In Percent
      -max_work_time : int              // In Hours
      -minimum_wage :    double         // In Rupees per Hour
      -highest_pay :    double          // In Rupees
      -diwali_bonus : float             // In Percentage
      -diwali_bonus_criteria : double     // In Percentage

Employee :
      name : string
      base_pay : double
      hours_worked : int
```