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Problem 1

```
class Person {
      person_id
      name
      email
      mobile
}

class Gym {
      gym_id;
      gym_name
      monthly_fee
}

class Trainer{
    trainer_id
    trainer_name
    year_of_experience
    email
}
```

Establish the following relationships among the above entities:

- among Gym and Person many to many bidirectional
- from Gym to Trainer (many to one) **[Many Gym can have specific trainer]**
- from Trainer to Gym (one to many) **[A specific Trainer can work in many Gym]**

Implements the following methods of **FitnessDao** class:

1. **public void addGym(Gym gym);**
    - this method should add a gym without any trainer and person details.

2. **public void registerPerson(Person person, gym_id)throws GymException**
    - This method should throw a GymException if we try to add a person in invalid gym_id.

3. **public registerTrainer(Trainer trainer);**
    - This method should register a Trainer without any gym details.

4. **Public assignTrainerWithGym(int trainer_id, int gym_id) throws TrainerException, GymException**

    - This method will assign an existing trainer to a particular existing Gym .If there is no any trainer with the supplied trainer_id throw TrainerException and if there is no Gym with supplied gym_id then throw GymException

5. **List<Person> getAllthePersonByGymName(String gym_name)throws GymExcpetion,**

    - if with the specified Gym, there is no person then throw the GymException Otherwise, return the List of all the Persons enrolled in that Gym.