

Task 1

Create a class named **People** that can store and display name, age and weight of a person. Inherit two more classes named **Student** and **Teacher** from this class. A **student** will have **student ID**, **Cgpa** and **department name**. A **teacher** will have **Department name**, **Room Number** and **phone number**. One can declare objects of these classes by giving no information or all of the information. Provide necessary function to modify any information later. Implement function to display all information of any object.

Task 2

Now declare an array (**size 3**) of objects belonging **Student** class. Store all the information. User can search for a specific student with ID and name. User can also search for a specific teacher by name. Also display all the teacher and student's name of a specific department.