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School of System and Technology

Department of Computer Science

Program: BS (CS)

Lab Manual 8

## Lab Tasks

**Task 1:**

Create Class Person with variables weight,height, gender. Create another Class Employee with variables designation, HoursPerDay. Now create another class Teacher and inherit it from Person and Employee and add function display() which should show all the details related to teacher.

**Task 2:**

Create Class Person with variables weight,height, gender and functions walk() sit(). Ceate another Class Sudent with variable ID,First name, Last name, Graduation and function PrintDetail() Write(). Now create a class GraduationStudent with variables UniversityName, YearGraduation and functions Display().

Note: In both parent classes simply add a printf() statement about the task. In child display function show all data

**Task 3:**

Create Class Date with variables day,month,year and a function display() and another class Time with variables hour,minutes,seconds and a function display(). Now create a third class named Time\_Date it will inherit from both Classes Date and Time it should have a function display() which will display time and date.

**Task 4:**

Create class named shape with variables height and width. Create another class named color with variable color\_name. Now create third class named Rectangle with variable area. Inherit rectangle class from shape class and color class. Now calculate area of rectangle and define color of rectangle as well.