Assignment No. 3
Object Oriented Programming Using C++
BEE-11CD
Date: 27th April 2020
Due Date: 03rd May 2020

Task

Create an abstract class faculty with fields name and ID. Provide a pure virtual function salary ().

Derive a class "Permanent Faculty" from faculty. The class has additional attributes years_of_service and basic_pay. The salary of permanent faculty is computed as the sum of basic_pay, medical_allowance and house_rent. Medical allowance is 10% of basic pay and house rent is 25% of basic pay.

Derive another class "Visiting Faculty" from faculty. The class has attributes per_hour_rate and number_of_hour taught. The salary of visiting faculty is computed by multiplying the per_hour_rate with the number_of_hours taught.

Write a program to declare two pointers of class faculty. Create an object of each derived class, assign their addresses to pointers of base class, set the values of data members and call salary function for each.