

TEST-2

Q.1 Write a program to calculate gross and net pay of employee from basic salary. Create employee class which consists of employee name, emp_id, and basic salary as its data members. Use parameterized constructor in the derived class to initialize data members of the base class and calculate gross and net pay of the employee in the derived class?

Q.2 Create a program by using deep copy constructor?

Q.3 Write a program the Shape class is defined by two pure virtual member functions: calculateArea() and calculatePerimeter(). These functions are meant to be overridden by derived classes. The Circle class is derived from Shape and overrides the virtual functions to calculate the area and perimeter of a Circle.

Q.4 Write a C++ program to create two objects of a class called company and add their data members using an operator overloaded function for "+"?

Q.5 Write a C++ program to demonstrate multiple inheritance by creating a class cuboid which extends class rectangle, class shape. It calculates area and volume. Use appropriate constructors and member variables?

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