

RED & WHITE[®]

Multimedia Education

Shaping "skills" for "scaling" higher...!!!

C++

Lab Work

Chapter - 4

Inheritance

RED & WHITE MULTIMEDIA EDUCATION

Shaping “skills” for “scaling” higher...!!!

From the Headquarter of RNW

Surat, Gujarat, India

<https://www.rnwmultimedia.edu.in>

Lab Work #4.3

| Sr. No. | Question |
|---------|---|
| Q.1 | <p>Design an Employee Management System in C++ demonstrating inheritance, pointers, array of pointer objects, and dynamic memory allocation using new and delete.</p> <p>Requirements:</p> <p>Base Class: Employee</p> <p>Attributes: employee_id, name, age, salary</p> <p>Methods: getters and setters, display()</p> <p>Derived Classes: FullTimeEmployee and PartTimeEmployee</p> <p>FullTimeEmployee:</p> <p>Additional attribute: bonus, override display()</p> <p>PartTimeEmployee:</p> <p>Additional attribute: hours_worked, override display()</p> <p>Employee Management System:</p> <p>An array of pointer objects to manage employees</p> <p>Menu options:</p> <ul style="list-style-type: none">- Add Employee: Add FullTimeEmployee or PartTimeEmployee using new- Display All Employees: Iterate and display all employees- Delete Employee: Remove employee and free memory using delete- Exit: Free all dynamically allocated memory |