Mid Semester Examination (MSE) No.	2	Course Coordinator(s)	Ranjodh Kaur, Siddharth Jain, Gagneet Kaur, Kapil Sharma, Jaswant Singh, Sita Rani, Kuljit Kaur, Paramveer Kaur, Lakhvir Kaur Grewal, Palak Sood, Meetali, Goldendeep Kaur, Kamaljeet Kaur, Randeep Kaur, Harminder Kaur
Max. Marks	24	Time Duration	1 hour 30 minutes
Date of MSE	02/12/24	Roll Number	

Note: Atte	mpt all questions. Al	assumptions must be clearly stated.
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No.	Question		
1	Is it possible to declare more than one array in the same declaration statement?		
)2	Justify you answer. List advantages of functions.		
Q3	Differentiate between call by value and call by reference (include example(s)).		
Q4	Write a C++ program that uses recursion to compute the multiplication of elements in a one-dimensional integer array.		
Q5	With the help of code snippet, justify how structures are different from unions.		
Q6	You are the HR manager of a company, and you are using employee management system to manage the employee data. The system allows you to add new employees, display all employees, search for an employee by ID, update employee salary, and delete an employee. Your task is to Create a struct employee with	8	
	Attributes: Name: String ID: Integer Department: String Salary: Double Also, in the program add the Functions: addEmployee(): Adds the employee to the directory displayEmployees(): Displays all the employees present in directory displayEmployees(): Search for the employee with Emp ID searchEmployee(): Search for the employee with Emp ID updateEmployeeSalary(): Updates the salary of employee with Emp ID deleteEmployee(): Deletes the employee from the directory with Emp ID deleteEmployee(): Deletes the employee, print a message as "Employee added successfully!" If there are no employees left in the directory, print "No employees to display"		

If Employee not found print "Employee not found"