19. Sort a List Of Types in C#

1. Create a list of employee objects with properties EmpId,EmpName,EmpSalary and DeptId add 10 employee objects to the above list

Note:
Create objects with at least two objects having same property values
ie Two objects should have empname="kishore" (or any same value)
ie Two objects should have deptid =2 (or any same value)
ie Two objects should have empsalary=1000 (or any same value)

Questions :

1. Check whether 'Kishore' employee is present in the list using **select** method with lambda expression. and print the empid, empname, empsal and deptid of the employee object print distinct objects not distinct names

2. Check whether empid =4 employee is present in the list using **select** method with lambda expression. and print the empid, empname, empsal and deptid of the employee object print distinct objects not distinct names

3. Check whether deptid=4 employee is present in the list using **select** method with lambda expression. and print the empid, empname, empsal and deptid of the employee object print distinct objects not distinct names

4. Create another employee list and copy the above list to this newly created employee list

5. Create another employee list and copy the above list with empname having Kishore and print this list
Note: The new list should contain only employee objects with name Kishore

6. Create another employee list and copy the above list with empsalary having greater than 2000 and print this list count and list
Note: The new list should contain only employee objects with empsalary >2000

7. Check whether deptid=4 employee is present in the list using **select** method with lambda expression. and print the empid, empname, empsal and deptid of the employee object

8. Check whether deptid=4 employee is present in the list using **contains** method with lambda expression. and print the empid, empname, empsal and deptid of the employee object

9. Print the distinct employee name count in the list using **Distinct** method with lambda expression. and print the empid, empname, empsal and deptid of the employee objects

10. Create an integer array with 5 elements and convert this integer array into integer list using **ToList()**

11. Get the first employee in the employee list using **First**() method

12. Get the first employee in the employee list using **FirstOrDefault**() method

13. Get the first employee in the employee list using **Single**() method

14. Get the first employee in the employee list using **SingleOrDefault**() method

15. Sort the employee list by EmpID using OrderBy() method

16. Sort the employee list by EmpName using OrderBy() method

17. Sort the employee list by EmpName and then reverse by empid using Sort() method