* + 1.  Create a class called Employee with the following attributes :  
    a.employeeID  
    b.lastName  
    c.salary  
    d.departmentID  
    e.managerID  
    2.  Create getter and setter methods for the above fields

3.  Create an object to store an employee details and display them using the getter methods.

Top of Form

Bottom of Form

4.  Write an object oriented program to perform following operations on complex numbers:

Add two complex numbers

Subtract two complex numbers

Find the conjugate of a complex number

 5. Date is represented by three integers, year, month and day. Write an object oriented Java  program for the following

           Find the difference between two dates

           Check if year is leap year

          Add an integer to a date to get a new date

 6.  Write an object oriented Java program to perform the following operations in integer arrays:

Add two arrays - corresponding elements should be added, assume the arrays are of same size

Negate array - signs of the elements to be changed

Multiply a scalar value with all the array elements

7.Write an object-oriented program to calculate the area and perimeter of a rectangle

8. Write an object-oriented program to calculate the area and perimeter of a circle

9. Write an object oriented program to solve a quadratic equation

10. Write an object oriented Java program to implement an character Stack. Write a Tester program to reverse the string using the character stack class.

11. Write an object oriented Java program to implement an integer Queue

12.Write an object oriented program to find following operations on point.

§Find the distance between two points

§Increment point

§Decrement point

13.Following details of employees are available: Employee ID, Employee name and basic pay, allowances and deductions. Write an object oriented program to calculate the gross pay and net pay.

14.Extend the above program to find the employee with the highest pay for a given set of employee details.

15.Extend the above program to sort the employee details based on the highest pay.

s