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import java.io.BufferedReader;
import java.io.BufferedWriter;
import java.io.FileReader;
import java.io.FileWriter;
import java.io.IOException;
import java.util.ArrayList;
import java.util.Scanner;

public class Main {

    public static void main(String[] args) {
        ArrayList <Employee> employees = new ArrayList<>();

        for (int i = 0; i < 4; i++) {
            boolean isFound = false;
            Scanner input = new Scanner(System.in);
            System.out.println("Enter employee ID of an employee");

            String ID = input.nextLine();

            System.out.println("Enter salary of employee");

            int salary = input.nextInt();

            System.out.println("Is this a manager or worker? (Enter 1 for
worker    and 2 for manager");

            int type = input.nextInt();
            try {

                BufferedReader fr = new BufferedReader(new
FileReader("input.txt"));
                String line = "";
                while (line != null) {

                    line = fr.readLine();
                    if (line == null)
                        break;

                    String[] words = line.split(" ");
                    if (words[0].equals(ID)) {

                        if (words[1].equals(String.valueOf(salary))) {

                            if
(words[2].equals(String.valueOf(type))) {
                                isFound = true;
                                if(type == 1) {
                                    employees.add(new
WorkerEmployee(ID,salary));

                                }else {
                                    employees.add(new
ManagerEmployee(ID,salary));

                                }
                            }
                        }
                    }
                }
            }
        }
    }
}

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        }
    }
    if(!isFound) {
        System.out.println("Sorry , employee not found");
        i--;
    }
} catch (Exception e) {

    System.out.println("This is wrong!");
}

}

try {
    FileWriter fw = new FileWriter("output.txt");
    BufferedWriter bw = new BufferedWriter(fw);
    for(Employee e : employees) {

        String line = String.format("%s earns $%d per pay period.",
e.getId(), e.getPay());
        bw.write(line);
        bw.newLine();
    }bw.close();
    System.out.println("A file named output.txt was created with pay
information");
} catch (Exception e) {

    System.out.println("Something is wrong");
}

}
}

```