```java
public class Employee {
      private int empId;
      private String name;
      private String gender;
      private int age;



      public Employee(int empId, String name, String gender, int age) {

            this.empId = empId;
            this.name = name;
            this.gender = gender;
            this.age = age;
      }


      public int getEmpId() {
            return empId;
      }


      public void setEmpId(int empId) {
            this.empId = empId;
      }


      public String getName() {
            return name;
      }


      public void setName(String name) {
            this.name = name;
      }


      public String getGender() {
            return gender;
      }


      public void setGender(String gender) {
            this.gender = gender;
      }


      public int getAge() {
            return age;
      }
```

```java
        public void setAge(int age) {
                this.age = age;
        }

        public void displayEmployeeInfo()
        {
                System.out.println("Employee Id: "+empId);
                System.out.println("Employee Name: "+name);
                System.out.println("Employee Gender: "+gender);
                System.out.println("Employee Age: "+age);


        }

}



/////////////////////////////////////////////////////////////////////


public class Node {

        private Employee data;
        private Node next;
        public Node(Employee data) {

                this.data = data;
                this.next = null;
        }
        public Employee getData() {
                return data;
        }
        public void setData(Employee data) {
                this.data = data;
        }
        public Node getNext() {
                return next;
        }
        public void setNext(Node next) {
                this.next = next;
        }


}



///////////////////////////////////////////////////////////
```

```java
public class LinkedListOfEmployees {
      private Node head;


      public LinkedListOfEmployees() {
            head = null;
      }

      public void insertAtFront ( Employee e) {

            Node newNode = new Node(e);
            newNode.setNext(head);
            head = newNode;


      }

      public void insertAtBack ( Employee e) {


            Node newNode = new Node(e);
            if(head==null) {
                  head = newNode;
                  }
                  else {
                  Node curr = head;
                  while (curr.getNext()!=null){
                  curr = curr.getNext();
                  }
                  curr.setNext(newNode);
                  }
      }

      public int countEmployees(String g) {
            int n = 0;
            Node current = head;

                  while (current != null) {
                        if
(current.getData().getGender().equalsIgnoreCase(g))
                              n++;
                        current = current.getNext();
                  }

            return n;
      }


      Employee getOldestEmployee()
      {
            if(head==null)
```

```java
                return null;

        Node current = head;
        Employee oldest=current.getData();
        current = current.getNext();

        while (current != null) {
                if (current.getData().getAge()>oldest.getAge())
                        oldest=current.getData();

                current = current.getNext();
        }


        return oldest;


    }


    public LinkedListOfEmployees getEmployees(String g)
    {
        LinkedListOfEmployees newList=new LinkedListOfEmployees();

        Node current = head;

        while (current != null) {

                if (current.getData().getGender().equalsIgnoreCase(g))
                        newList.insertAtBack(current.getData());

                current = current.getNext();
        }

        return newList;

    }


    public void split(LinkedListOfEmployees male, LinkedListOfEmployees
female) {

                Node current = head;

                while (current != null) {

                        if
(current.getData().getGender().equalsIgnoreCase("male"))
                                male.insertAtBack(current.getData());
                        else
                                female.insertAtFront(current.getData());
```

```java
                        current = current.getNext();
                }

        }


        public void display()
        {

                Node current = head;


                while (current != null) {

                        current.getData().displayEmployeeInfo();
                        current = current.getNext();
                }

        }


}



/////////////////////////////////////////////////////////////

import java.util.Scanner;
public class Main {

        /**
         * @param args
         */
        public static void main(String[] args) {
                // TODO Auto-generated method stub
                //This program assumes single word String input.

                Scanner input=new Scanner(System.in);
                LinkedListOfEmployees list=new LinkedListOfEmployees();
                int choice;
                String gender;
                int nEmployees;

                do
                {

                System.out.println("To Add a new Employee Enter 1 ");
                System.out.println("To get the number of Employees of given
gender Enter 2 ");
                System.out.println("To get and display oldest Employee Enter 3
");
```

```java
            System.out.println("To get and display all Employees of a given
gender Enter 4 ");
            System.out.println("To view all Male Employees Enter 5 ");
            System.out.println("To Exit Enter 0 ");
            System.out.println("Enter Option___");
            choice=input.nextInt();

            switch(choice)
            {
            case 1:
                    System.out.println("Enter Id,Name,Gender and Age of
Employee ");
                    Employee e=new
Employee(input.nextInt(),input.next(),input.next(),input.nextInt());
                    list.insertAtBack(e);
                    System.out.println("Guest Added Successfully");

                    break;
            case 2:
                    System.out.println("Enter Gender");
                    gender=input.next();
                    System.out.println("No Of "+gender+" Employees are
"+list.countEmployees(gender));
                    break;
            case 3:
                    Employee oldest=list.getOldestEmployee();
                    if(oldest!=null)
                    {
                            System.out.println("Oldest Employee in the List is
");
                            oldest.displayEmployeeInfo();
                    }
                    else
                            System.out.println("List is Empty");

                    break;
            case 4:
                    System.out.println("Enter Gender");
                    gender=input.next();
                    nEmployees=list.countEmployees(gender);
                    if(nEmployees==0)
                            System.out.println("No Employee of this Gender
Found");
                    else
                    {
                            LinkedListOfEmployees l=list.getEmployees(gender);
                            l.display();

                    }
                    break;
```

```java
            case 5:
                nEmployees=list.countEmployees("Male");
                if(nEmployees==0)
                        System.out.println("No Employee of Male Gender
Found");
                else
                {
                        LinkedListOfEmployees l=list.getEmployees("Male");
                        l.display();
                }
                break;



            }

            }

        while(choice !=0);


    }

}
```