T

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

Test Information

Description	
Instructions	• you **should not** use your textbook, course notes, search on the Internet, or receive help from any other outside source. • you **must** complete all questions within the 50-minute time frame. • you **must** not stop or leave the session and then return to it. This is especially important in the online environment where the system will "time-out" and not allow you to reenter the exam site.
Timed Test	This test has a time limit of 55 minutes.This test will save and submit automatically when the time expires. Warnings appear when **half the time**, **5 minutes**, **1 minute**, and **30 seconds** remain.
Multiple Attempts	This test allows 2 attempts. This is attempt number 1.
Force Completion	This test can be saved and resumed at any point until time has expired. The timer will continue to run if you leave the test.

QUESTION 1

1 points Saved

Determine if the following code fragments are legal or not.

```
public interface A
    { ... }
public interface B
    { ... }
public  interface C extends A,B
    { ... }
```

- Legal
- Illegal

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

```
public interface A
{
    int m1(int x, int y);
 }
```

Legal

Illegal because method should be declared as public

Illegal because method should not have formal parameters

Illegal because method should be declared as abstract

QUESTION 3

1 points Saved

Determine if the code fragments are legal or not.

```
public interface A
{
    int NUM;
    public int  m1(int x, int y);
}
```

Legal

Illegal

QUESTION 4

1 points Saved

"When writing to a file with a ObjectOutputStream, which type is valid? "

int

char

object

All of the above

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

out()

QUESTION 6

1 points Saved

The following code will be compiled successfully

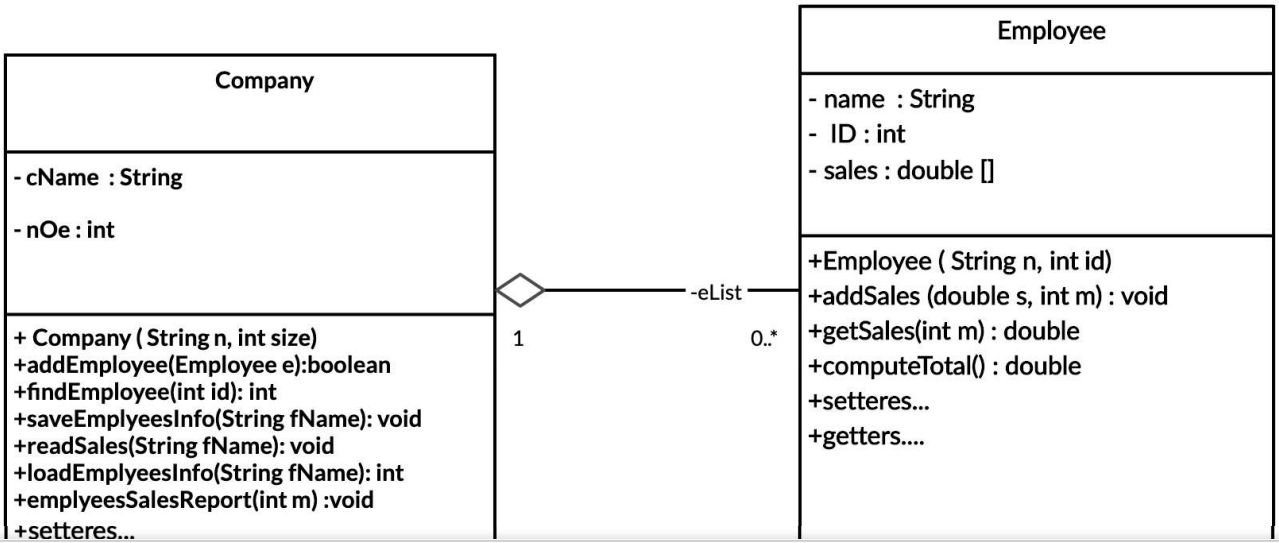
```
public class CSC113 {
   public static void main(String[] args) {
      try{
         File f = new  File("file1.txt");
         FileInputStream in = new FileInputStream(f);
         byte b [] = new byte [5];
         if(f.exists())
            in.read(b);
         else
            System.out.println("file doesn't exists");
      }
      catch (Exception e)
      {
      }
   }
}
```

- True
- False

QUESTION 7

1 points Saved

Consider the following UML and the corresponding method descriptions



Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

Company	
readSales(String fName):void	This method reads *employee id* and *sales amount* for that employee from a **text file** named **fName**. The first line in this file is a number representing the **month**. The method should **add sales for the employee** in **eList for** that **month**. If the employee is not found in **eList** continue reading the next line. **Hint: Use the method addSales** **File Format** **month** (ID:int)~(Sales: double)~ where~represents space **Example:** 3 7105~15000 7107~3000 6109~2500 7654~7000

choose the correct answer for Line 4:

```
1  public void readSales(String fName){
2  Scanner input=null;
3   try {
4      input =new Scanner (......................);
5      int id=-1;
6    double s=-1;
7    //month at the beging of the file
8    int m=................;
9    if (m<0 || m >12) return;
10   //read information from text file stop reading when no more line
11   while(................................) {
12  id=........................
13  s=........................
14  int sIndex= findEmployee(id);
15  try {
16  ..............................................
17  ..............................................
18  }catch (IndexOutOfBoundsException e){
19  System.out.println("Employee not found");}
20  }//end while
21  ..............................................
22  }//end try
23  catch(..............................) {
24  System.out.println("Exception "+e); }
25  }
```

- new FileReader(fName)
- new InputStream(new File(fName))
- new File(fName)

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

```
1 public void readSales(String fName){
2 Scanner input=null;
3  try {
4     input =new Scanner (......................);
5     int id=-1;
6   double s=-1;
7   //month at the beging of the file
8   int m=................;
9   if (m<0 || m >12) return;
10  //read information from text file stop reading when no more line
11  while(................................) {
12 id=........................
13 s=........................
14 int sIndex= findEmployee(id);
15 try {
16 ..............................................
17 ..............................................
18 }catch (IndexOutOfBoundsException e){
19 System.out.println("Employee not found");}
20 }//end while
21 ..............................................
22 }//end try
23 catch(..............................) {
24 System.out.println("Exception "+e); }
25 }
```

input.next()==false

input.hasNext()

input.hasNext()!=null

None

QUESTION 9

2 points Saved

Write the statement in line 16

```
1 public void readSales(String fName){
2 Scanner input=null;
3  try {
4     input =new Scanner (......................);
5     int id=-1;
6   double s=-1;
7   //month at the beging of the file
8   int m=................;
9   if (m<0 || m >12) return;
10  //read information from text file stop reading when no more line
11  while(................................) {
12 id=........................
13 s=........................
14 int sIndex= findEmployee(id);
15 try {
16 ..............................................
17 ..............................................
18 }catch (IndexOutOfBoundsException e){
19 System.out.println("Employee not found");}
20 }//end while
21 ..............................................
22 }//end try
23 catch(..............................) {
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

QUESTION 10

1 points Saved

In line 23 we should add the **EOFException e**

```
1 public void readSales(String fName){
2 Scanner input=null;
3  try {
4     input =new Scanner (......................);
5     int id=-1;
6   double s=-1;
7   //month at the beging of the file
8   int m=................;
9   if (m<0 || m >12) return;
10  //read information from text file stop reading when no more line
11  while(................................) {
12  id=........................
13  s=........................
14  int sIndex= findEmployee(id);
15  try {
16  ..............................................
17  ..............................................
18  }catch (IndexOutOfBoundsException e){
19  System.out.println("Employee not found");}
20  }//end while
21  ..............................................
22  }//end try
23  catch(..............................) {
24  System.out.println("Exception "+e); }
25  }
```

True

False

QUESTION 11

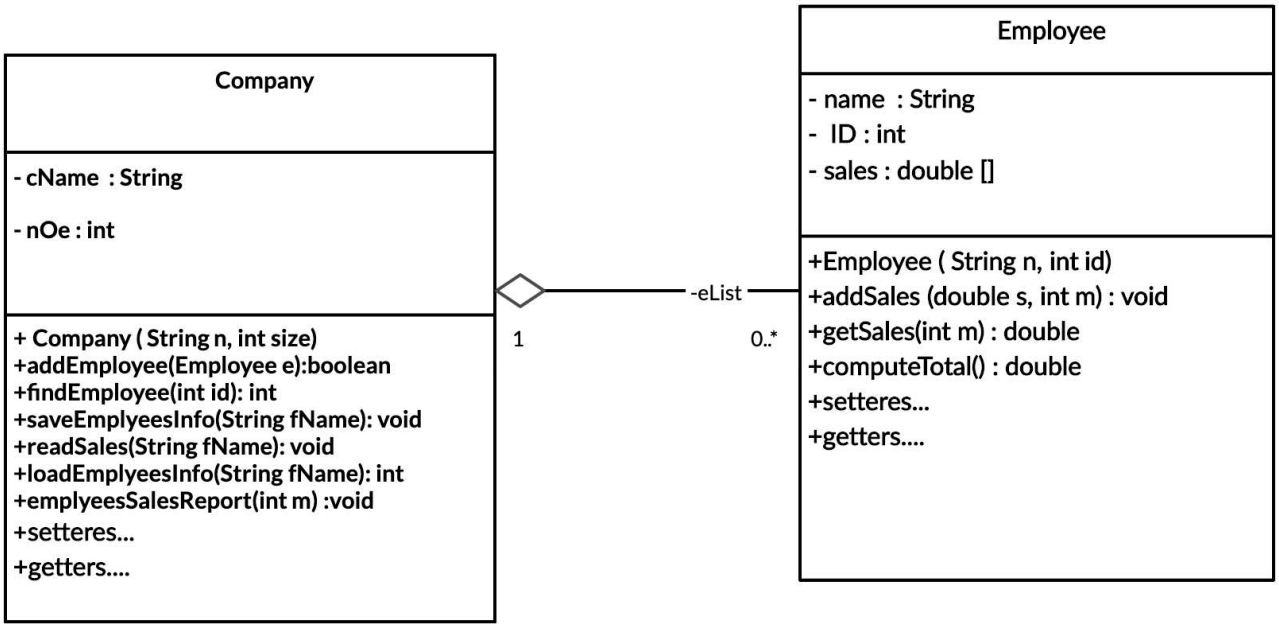
1 points Saved

Consider the following UML and the corresponding method descriptions

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:



Employee

addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Company

SaveEmployeesInfo(String fName):void	This method writes into an object file named fName. company name, number of employees and all employees stored in eList at once

Answer the following question according to the description of the method SaveEmployeesInfo

Which of the following classes need to implement interface **Serializable?**

- Employee
- Company
- Employee and Company
- None

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

DataOutputStream

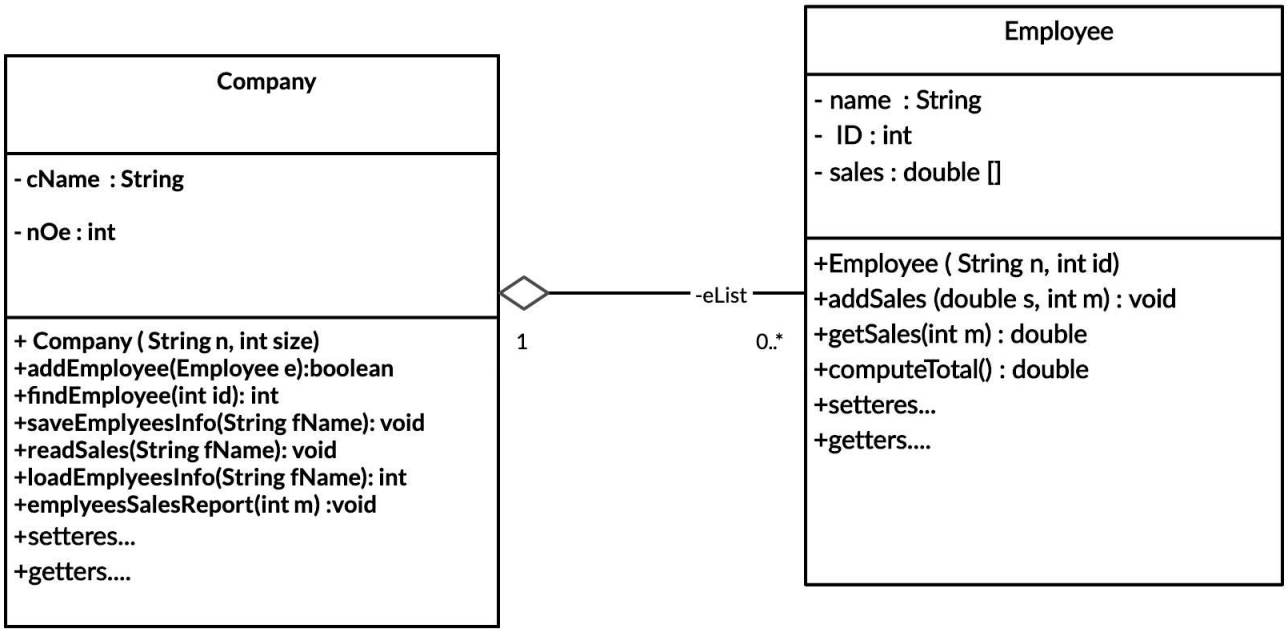
FileOutputStram

ObjectOutputStream

QUESTION 13

1 points Saved

Consider the following UML and the corresponding method descriptions



Employee

addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Company

LoadEmplyeesInfo (String fName):int	This method read from an object file named fName. 1.company name, 2.the maximum number of employees,

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

```
public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
 {
 FileInputStream fin=new FileInputStream( new File(fName));
 ................input=new ......................................
 this.name=......................;
 int max=......................;
 eList=new Emplyee[max];
 this.nOe=0;
 int n1=................;
 for (int i=0; i<......; i++){
 Employee e=..................;
 this.addEmplyee(e);}
 ........................
 ........................
 }
```

new ObjectStream(fin)

new DataInputStream(fin)

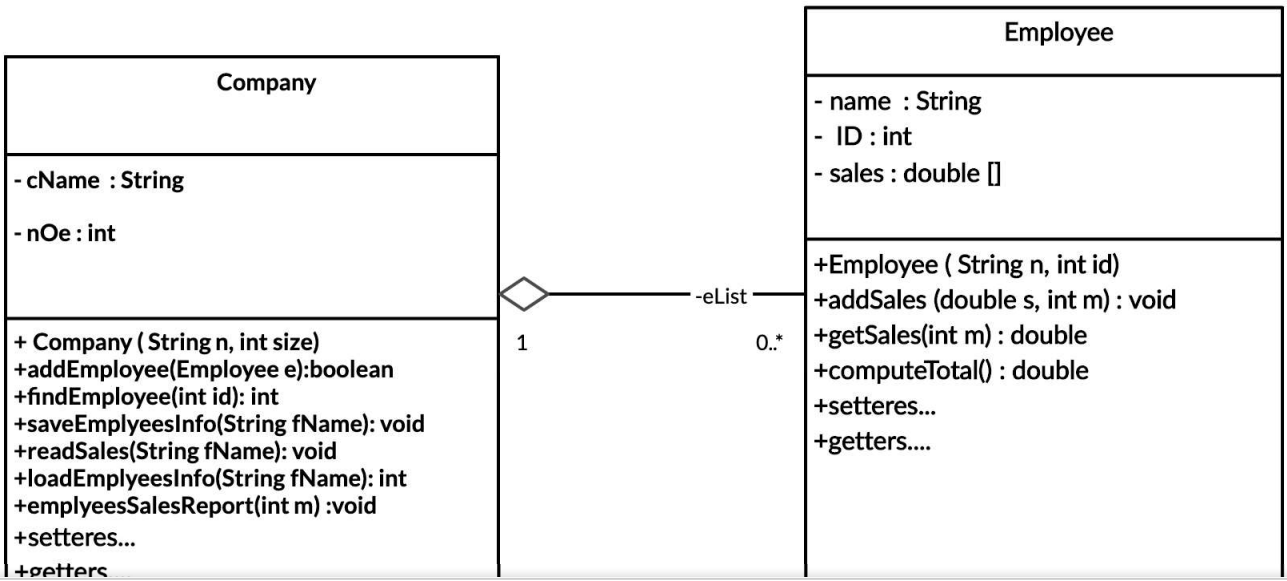
new FileReader(fin)

None of the above

QUESTION 14

1 points Saved

Consider the following UML and the corresponding method descriptions



Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

computeTotal():double	return total of sales.

Company

LoadEmplyeesInfo (String fName):int	This method read from an object file named fName. 1.company name, 2.the maximum number of employees, 3.number of employee objects in this file 4. **objects** of type Employee written **one by one.** Then add them to eList. This method should return the number of employees successfully added

complete statement in line 6

```
1  public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
2   {
3   FileInputStream fin=new FileInputStream( new File(fName));
4   ................input=new ......................................
5   this.name=......................;
6   int max=......................;
7   eList=new Emplyee[max];
8   this.nOe=0;
9   int n1=................;
10  for (int i=0; i<......; i++){
11  Employee e=..................;
12  this.addEmplyee(e);}
13  ........................
14  ........................
15  }
```

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

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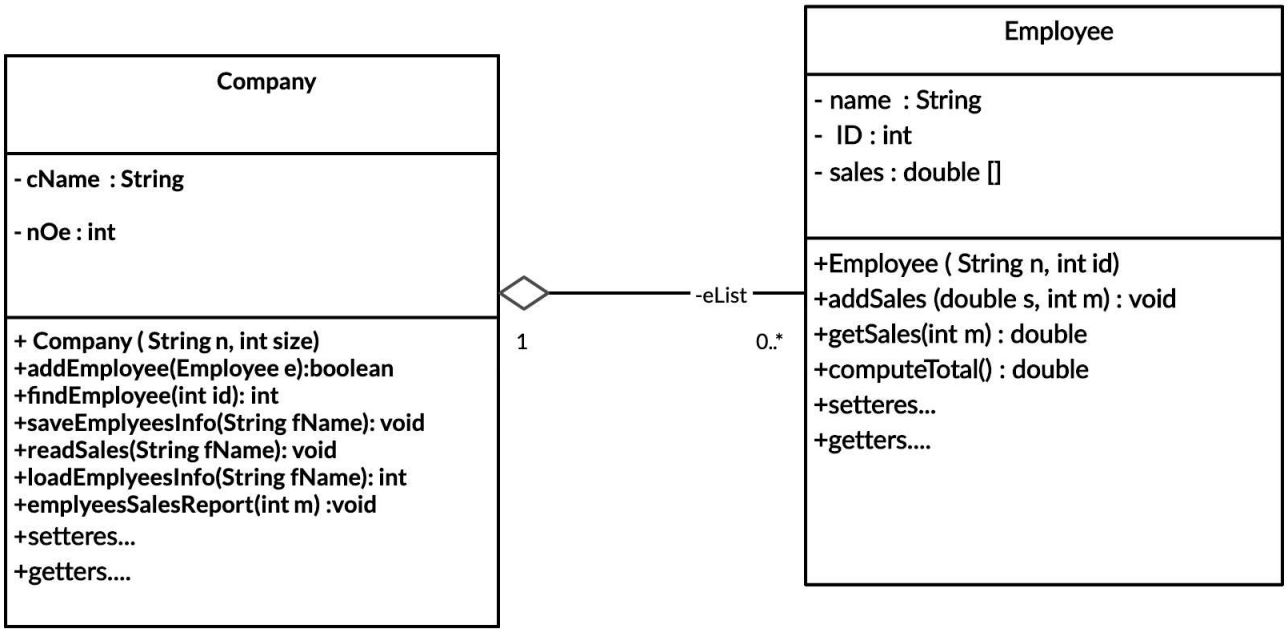
Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:



Employee	
addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Company

LoadEmplyeesInfo (String fName):int	This method read from an object file named fName. 1.company name, 2.the maximum number of employees, 3.number of employee objects in this file 4. **objects** of type Employee written **one by one.** Then add them to eList. This method should return the number of employees successfully added

complete statement in line 10

```
1 public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
2  {
3  FileInputStream fin=new FileInputStream( new File(fName));
4  ................input=new ......................................
5  this.name=. ......................;
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

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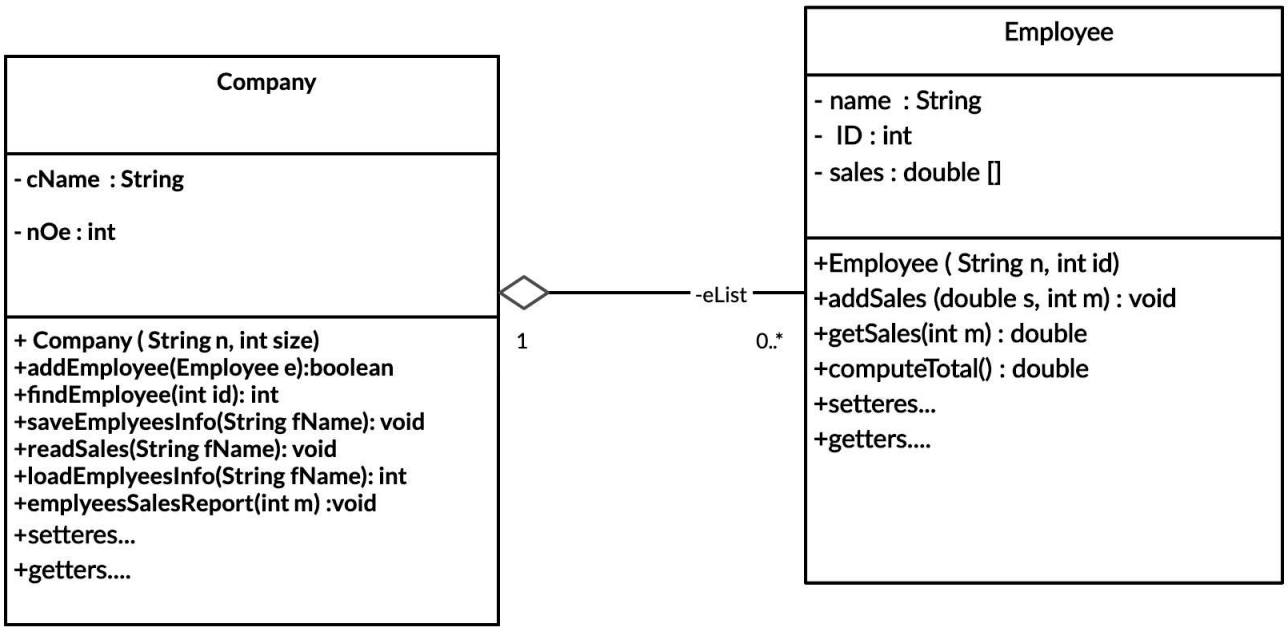
QUESTION 16 **2 points** Saved

Consider the following UML and the corresponding method descriptions



Sales	
addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

4. **objects** of type Employee written **one by one.** Then add them to eList. This method should return the number of employees successfully added

complete statement in line 11

```
1  public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
2   {
3   FileInputStream fin=new FileInputStream( new File(fName));
4   ................input=new ......................................
5   this.name=......................;
6   int max=......................;
7   eList=new Emplyee[max];
8   this.nOe=0;
9   int n1=................;
10  for (int i=0; i<......; i++){
11  Employee e=..................;
12  this.addEmplyee(e);}
13  ........................
14  ........................
15  }
```

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

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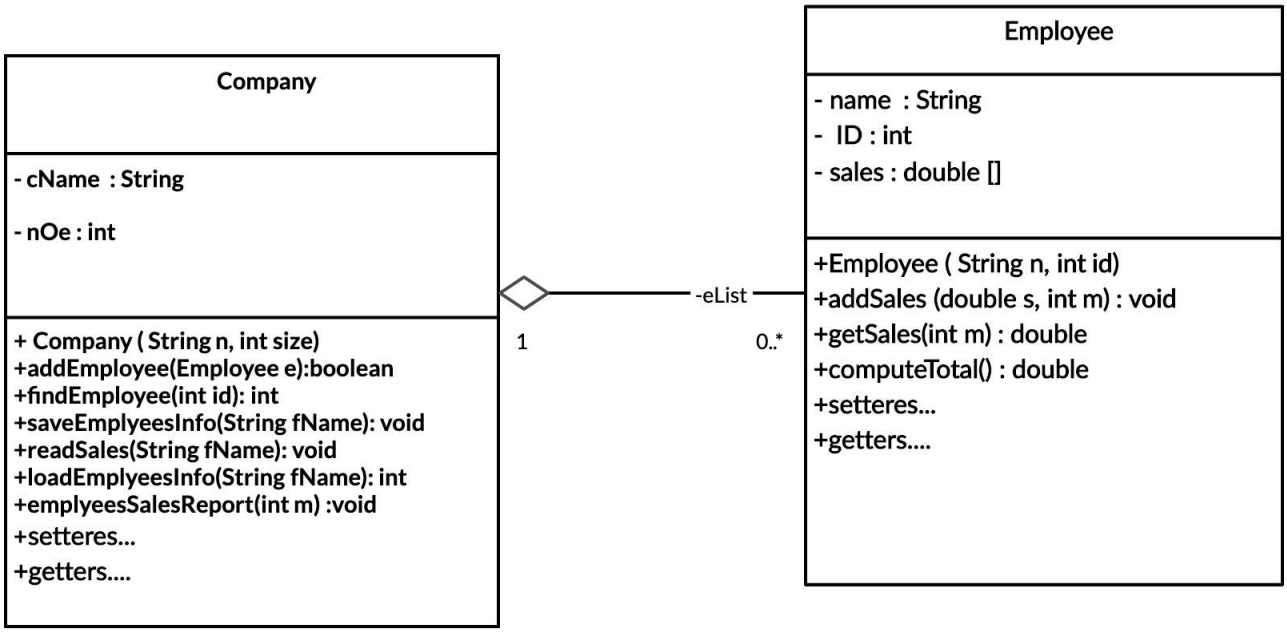
QUESTION 17 **1 points** Saved

Consider the following UML and the corresponding method descriptions

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:



Sales	
addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Company

LoadEmplyeesInfo (String fName):int	This method read from an object file named fName. 1.company name, 2.the maximum number of employees, 3.number of employee objects in this file 4. **objects** of type Employee written **one by one.** Then add them to eList. This method should return the number of employees successfully added

complete statement in line 13

```
1 public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
2  {
3  FileInputStream fin=new FileInputStream( new File(fName));
4  ................input=new ......................................
5  this.name=......................;
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

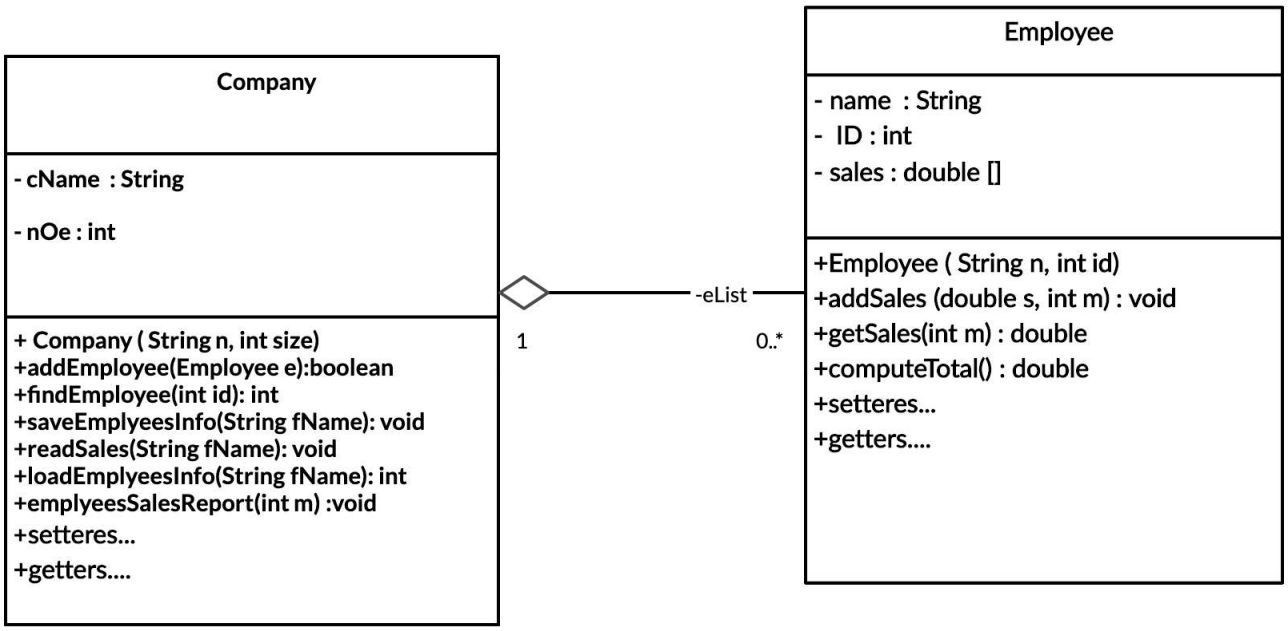
Question Completion Status:

Arial 3 (12pt)

QUESTION 18

1 points Saved

Consider the following UML and the corresponding method descriptions



Employee	
addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

4. **objects** of type Employee written **one by one.** Then add them to eList. This method should return the number of employees successfully added

complete statement in line 14

```
1  public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
2   {
3   FileInputStream fin=new FileInputStream( new File(fName));
4   ................input=new ......................................
5   this.name=......................;
6   int max=......................;
7   eList=new Emplyee[max];
8   this.nOe=0;
9   int n1=................;
10  for (int i=0; i<......; i++){
11  Employee e=..................;
12  this.addEmplyee(e);}
13  ........................
14  ........................
15  }
```

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

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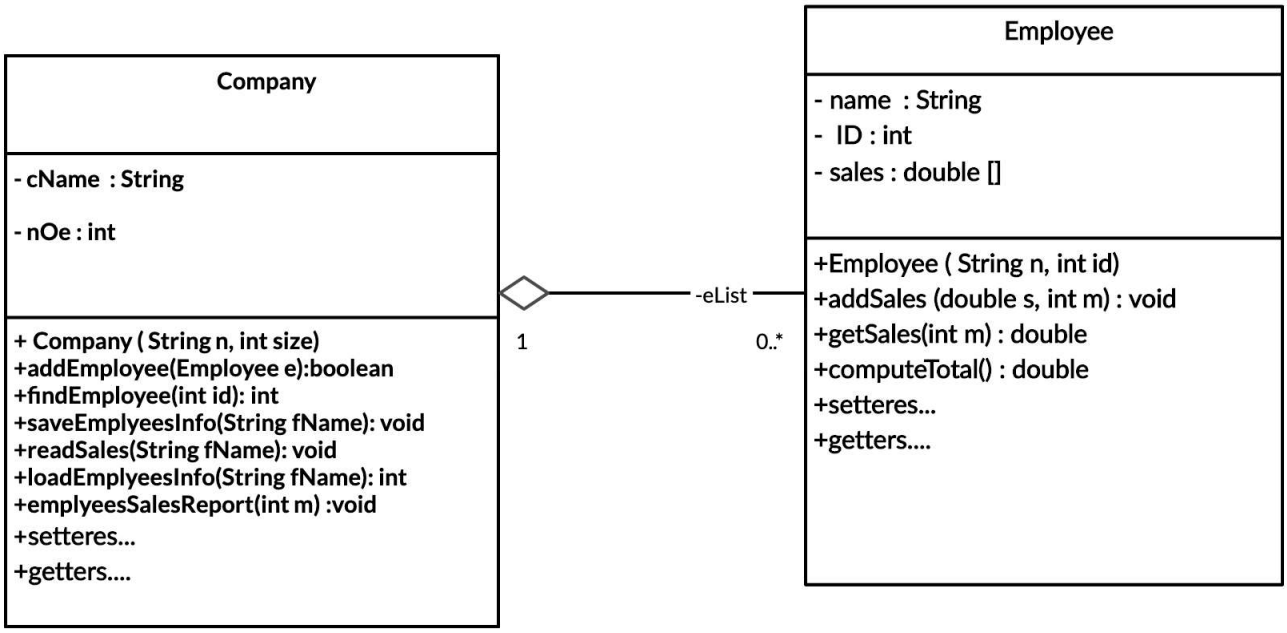
QUESTION 19 **2 points** Save Answer

Consider the following UML and the corresponding method descriptions

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:



Employee	
addSales(double s, int m): void	add a received sales s to the array sales at specified index m. sales[m]+=s;
getSales(int m): double	returns the sales at the specified position' in the sales. return sales[m];
computeTotal():double	return total of sales.

Company

LoadEmplyeesInfo (String fName):int	This method read from an object file named fName. 1.company name, 2.the maximum number of employees, 3.number of employee objects in this file 4. **objects** of type Employee written **one by one.** Then add them to eList. This method should return the number of employees successfully added

The following code will generate compilation error, why?

```
1 public int LoadEmplyeesInfo (String fName)throws ClassNotFoundException
2  {
3  FileInputStream fin=new FileInputStream( new File(fName));
4  ................input=new ......................................
```

Click Save and Submit to save and submit. Click Save All Answers to save all answers.

Remaining Time: 07 minutes, 29 seconds.

Question Completion Status:

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).

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Click Save and Submit to save and submit. Click Save All Answers to save all answers.