

Hire Your Grade(---RETIRED---)

Grade settings: Maximum grade: 100

Disable external file upload, paste and drop external content: Yes

Based on: [Hire Your Grade\(---RETIRED---\)](#)

Run: Yes **Evaluate:** Yes

Automatic grade: Yes

Hire Your Grade is a well-known recruitment firm in the city. They wanted to calculate the package paid for candidates based on the Job title by the company. Hire Your Grade's manager contacts a software developer for assistance with their process. You are the software developer, and you are creating a Java program based on the specifications.

Component Specification: Recruitment

Type (Class)	Attributes	Methods
Recruitment	String recruitmentId String companyName String jobTitle Date dateOfPost	Necessary getters, setters, and a four-argument constructor is provided as a part of the code skeleton.

Functional Requirement 1: Extract the details of the recruitment and create an object for Recruitment class.

Type (Class)	Methods	Responsibilities
UserInterface	public static Recruitment extractDetails (String recruitmentDetails)	This method accepts recruitmentDetails separated by the colon as an argument and should extract the properties of the Recruitment from the argument by parsing the recruitmentDetails.

		<p>Set these values to the Recruitment object and return this object.</p> <p>Condition:</p> <p>Use date format (dd/MM/yyyy)</p>
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Functional Requirement 2: Calculate the package paid for the Candidates.

Type (Class)	Methods	Responsibilities
Recruitment	<pre>public double calculatePackageReceived ()</pre>	<p>This method is used to calculate the package paid for candidates.</p> <p>Package is calculated based on the basic pay and the additional allowances.</p> <p>If the jobTitle is JuniorSoftwareDeveloper, the basic pay is 21000 and allowance is 1200.</p> <p>If the jobTitle is SoftwareDeveloper, the basic pay is 27000 and allowance is 1450.</p> <p>If the jobTitle is TechnicalHead the basic pay is 40000 and allowance is 1600.</p> <p>If the jobTitle is ProjectManager, the basic pay is 45000 and allowance is 1750.</p> <p>If the jobTitle is ProductManager, the basic pay is 55000 and allowance is 1800.</p> <p>Condition:</p>

		<ul style="list-style-type: none"> • <i>jobTitle is case-insensitive.</i> • <i>If the jobTitle doesn't match any of the above-mentioned jobTitle, the method should return -1.</i> • <i>The companyName has to be Sandisc, or else return -1.</i> • <i>The companyName is case-insensitive.</i>
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Formula to calculate the Package to be paid:

Package to be paid = basic pay + allowance.

The main method in the UserInterface class is excluded from the evaluation. You are free to write your own code in the main method to invoke the business methods to check its correctness.

Note:

- In the Sample Input / Output provided, the highlighted text in bold corresponds to the input given by the user and the rest of the text represents the output.
- Ensure to follow the object-oriented specifications provided in the question.
- Ensure to provide the names for classes, attributes, and methods as specified in the question.
- Adhere to the code template, if provided.

Sample Input / Output 1:

Enter Recruitment Details

JAHS8811:Sandisc:TechnicalHead:13/09/2020

Recruitment Id : JAHS8811

Company Name : Sandisc

Job Title : TechnicalHead

Date Of Post : 13/09/2020

Package paid by the Company is 41600.00

Sample Input / Output 2:

Enter Recruitment Details

ASBN2829:Sandisc:Trainee:14/09/2022

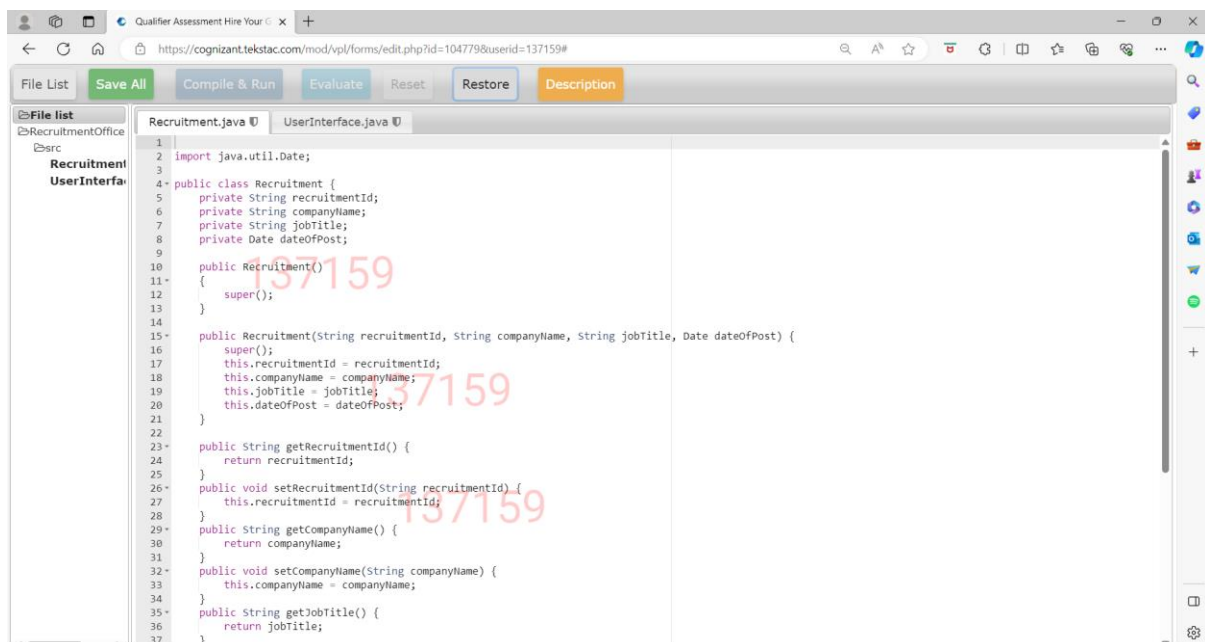
Invalid Recruitment Details

Sample Input / Output 3:

Enter Recruitment Details

ASBN2829:CTS:ProductManager:14/09/2022

Invalid Recruitment Details



The screenshot shows a web-based IDE interface. The browser address bar displays the URL: <https://cognizant.tekstac.com/mod/vpl/forms/edit.php?id=104779&userid=137159#>. The IDE has a top toolbar with buttons: File List, Save All, Compile & Run, Evaluate, Reset, Restore, and Description. On the left, a 'File list' pane shows a project structure with 'RecruitmentOffice' containing 'Recruitment' and 'UserInterface'. The main editor area shows the 'Recruitment.java' file with the following code:

```
1 import java.util.Date;
2
3
4 public class Recruitment {
5     private String recruitmentId;
6     private String companyName;
7     private String jobTitle;
8     private Date dateOfPost;
9
10    public Recruitment() {
11        super();
12    }
13
14    public Recruitment(String recruitmentId, String companyName, String jobTitle, Date dateOfPost) {
15        super();
16        this.recruitmentId = recruitmentId;
17        this.companyName = companyName;
18        this.jobTitle = jobTitle;
19        this.dateOfPost = dateOfPost;
20    }
21
22    public String getRecruitmentId() {
23        return recruitmentId;
24    }
25    public void setRecruitmentId(String recruitmentId) {
26        this.recruitmentId = recruitmentId;
27    }
28    public String getCompanyName() {
29        return companyName;
30    }
31    public void setCompanyName(String companyName) {
32        this.companyName = companyName;
33    }
34    public String getJobTitle() {
35        return jobTitle;
36    }
37 }
```

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File List Save All Compile & Run Evaluate Reset Restore Description

File list RecruitmentOffice Recruitment Recruitment UserInterface

Recruitment.java UserInterface.java

```
20 this.dateOfPost = dateOfPost;
21 }
22
23 public String getRecruitmentId() {
24     return recruitmentId;
25 }
26 public void setRecruitmentId(String recruitmentId) {
27     this.recruitmentId = recruitmentId;
28 }
29 public String getCompanyName() {
30     return companyName;
31 }
32 public void setCompanyName(String companyName) {
33     this.companyName = companyName;
34 }
35 public String getJobTitle() {
36     return jobTitle;
37 }
38 public void setJobTitle(String jobTitle) {
39     this.jobTitle = jobTitle;
40 }
41 public Date getDateOfPost() {
42     return dateOfPost;
43 }
44 public void setDateOfPost(Date dateOfPost) {
45     this.dateOfPost = dateOfPost;
46 }
47
48
49 public double calculatePackageReceived() {
50     // Fill the code
51     return 0;
52 }
53
54
55 }
56
```

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File List Save All Compile & Run Evaluate Reset Restore Description

File list RecruitmentOffice Recruitment Recruitment UserInterface

Recruitment.java UserInterface.java

```
1 import java.text.ParseException;
2 import java.text.SimpleDateFormat;
3 import java.util.Date;
4 import java.util.Scanner;
5
6 public class UserInterface {
7
8     public static Recruitment extractDetails(String recruitmentDetails) throws ParseException
9     {
10         // Fill the code
11         return null;
12     }
13
14     public static void main(String[] args) throws ParseException {
15         Scanner sc=new Scanner(System.in);
16         // Fill the code
17     }
18 }
19
20
```

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