

Ready Set Recruit(---RETIRED---)

Grade settings: Maximum grade: 100

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

Based on: [Ready Set Recruit\(---RETIRED---\)](#)

Run: Yes **Evaluate:** Yes

Automatic grade: Yes

Ready Set Recruit is one of the famous recruitment companies in the city. They wanted to recruit analysts and calculate the amount to be paid to them based on the cyber security type. The Manager has approached you to create software that would calculate the amount to be paid to the analysts based on the cyber security type.

Component Specification: AnalystInfo

Type (Class)	Attributes	Methods
AnalystInfo	String analystId String analystName String cyberSecurityType String jobTitle	Necessary getters, setters, and a four-argument constructor are provided as part of the code skeleton.

Functional Requirement 1: Extract the details of the Analyst and create an object for the AnalystInfo class.

Type (Class)	Methods	Responsibilities
UserInterface	public static Booking extractDetails (String analystDetails)	This method accepts analystDetails separated by a colon as an argument and extracts the properties of the analyst from the argument. Set these values to the AnalystInfo object and return this object.

Functional Requirement 2: Calculate the amount to be paid to the Analyst.

Type (Class)	Methods	Responsibilities
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AnalystInfo	public double calculateAnalystSalary ()	<p>This method is used to calculate the amount to be paid to the analyst.</p> <p>If the cyberSecurityType is cloud, the cost is 45000.</p> <p>If the cyberSecurityType is network, the cost is 65000.</p> <p>If the cyberSecurityType is application, the cost is 85000.</p> <p>If the cyberSecurityType is critical, the cost is 95000.</p> <p>Condition:</p> <ul style="list-style-type: none"> • <i>cyberSecurityType is case-insensitive.</i> • <i>If the cyberSecurityType is invalid, the method should return -1.</i> • <i>The jobTitle should be SOCAnalyst or NetworkSecurity, else the method should return -1.</i> • <i>JobTitle is case-insensitive.</i>
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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 Analyst Details

ASJH2621:GEORGE:network:SOCAnalyst

Analyst Id : ASJH2621

Analyst Name : GEORGE

Cyber Security Type : network

Job Title : SOCAnalyst

Salary paid to the Analyst 65000.00

Sample Input / Output 2:

Enter Analyst Details

ASJH2621:GEORGE:network:IOT

Invalid Analyst Details

Sample Input / Output 3:

Enter Analyst Details

SDHH7672:Nancy:memory:SOCAnalyst

Invalid Analyst Details

Qualifier Assessment Ready Set

File List Save All Compile & Run Evaluate Reset Restore Description

File list
ReadySetRecruit
src
AnalystInfo
UserInterface

```
1  
2 public class AnalystInfo {  
3  
4     private String analystId;  
5     private String analystName;  
6     private String cyberSecurityType;  
7     private String jobTitle;  
8  
9     public AnalystInfo() {  
10         super();  
11     }  
12     public AnalystInfo(String analystId, String analystName, String cyberSecurityType, String jobTitle) {  
13         super();  
14         this.analystId = analystId;  
15         this.analystName = analystName;  
16         this.cyberSecurityType = cyberSecurityType;  
17         this.jobTitle = jobTitle;  
18     }  
19     public String getAnalystId() {  
20         return analystId;  
21     }  
22     public void setAnalystId(String analystId) {  
23         this.analystId = analystId;  
24     }  
25     public String getAnalystName() {  
26         return analystName;  
27     }  
28     public void setAnalystName(String analystName) {  
29         this.analystName = analystName;  
30     }  
31     public String getCyberSecurityType() {  
32         return cyberSecurityType;  
33     }  
34     public void setCyberSecurityType(String cyberSecurityType) {  
35         this.cyberSecurityType = cyberSecurityType;  
36     }  
37     public String getJobTitle() {
```

Qualifier Assessment Ready Set | x

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File List Save All Compile & Run Evaluate Reset Restore Description

File list ReadySetRecruit src AnalystInfo UserInterface

AnalystInfo.java | UserInterface.java

```
15 this.analystName = analystName;
16 this.cyberSecurityType = cyberSecurityType;
17 this.jobTitle = jobTitle;
18 }
19 public String getAnalystId() {
20     return analystId;
21 }
22 public void setAnalystId(String analystId) {
23     this.analystId = analystId;
24 }
25 public String getAnalystName() {
26     return analystName;
27 }
28 public void setAnalystName(String analystName) {
29     this.analystName = analystName;
30 }
31 public String getCyberSecurityType() {
32     return cyberSecurityType;
33 }
34 public void setCyberSecurityType(String cyberSecurityType) {
35     this.cyberSecurityType = cyberSecurityType;
36 }
37 public String getJobTitle() {
38     return jobTitle;
39 }
40 public void setJobTitle(String jobTitle) {
41     this.jobTitle = jobTitle;
42 }
43
44 public double calculateAnalystSalary() {
45     // Fill the code here
46     return 0;
47 }
48
49 }
50
51 }
```

Qualifier Assessment Ready Set | x

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File List Save All Compile & Run Evaluate Reset Restore Description

File list ReadySetRecruit src AnalystInfo UserInterface

AnalystInfo.java | UserInterface.java

```
1 import java.util.Scanner;
2
3 public class UserInterface {
4
5     public static AnalystInfo extractDetails(String analystDetails)
6     {
7         // Fill the code here
8         return null;
9     }
10
11     public static void main(String[] args) {
12         Scanner sc = new Scanner(System.in);
13         // Fill the code here
14     }
15
16 }
17 }
```

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