



Student.java X Listloader.java

package LAB;

public class Student {

//1st method

public void calculateFeesStructure(long studentId, char studentGrade, double monthlyFees, boolean isScholarshipEligible) {

```
    if(studentId!=0&& studentGrade=='A' && isScholarshipEligible==true) { //checking if the grade is 'A'
        double fees =monthlyFees -monthlyFees *10/100 ;
```

```
        System.out.println("10% of fee is exempted,the calculated fees is:"+fees);
```

```
    }
```

```
    else if(studentId!=0&& studentGrade=='B' && isScholarshipEligible==true) { //checking if the grade is 'B'
        double fees =monthlyFees -monthlyFees *8/100 ;
```

```
        System.out.println("8% of fee is exempted,the calculated fees is:"+fees);
```

```
    }
```

```
    else if(studentId!=0&& studentGrade=='C' && isScholarshipEligible==true) { //checking if the grade is 'C'
        double fees =monthlyFees -monthlyFees *6/100 ;
```

```
        System.out.println("6% of fee is exempted,the calculated fees is:"+fees);
```

```
    }
```

```
    else if(studentId!=0&& studentGrade=='D' && isScholarshipEligible==true) { //checking if the grade is 'D'
        double fees =monthlyFees -monthlyFees *4/100 ;
```

```
        System.out.println("4% of fee is exempted,the calculated fees is:"+fees);
```

```
    }
```

```
    else {
```

```
        System.out.println("Not Eligible for Exemption");
```

Elements @ Javadoc Declaration Console X

Student [Java Application] C:\Program Files\Java\jdk-18.0.2\bin\javaw.exe (Nov 4, 2022, 8:37:20 AM – 8:37:23 AM) [pid: 8728]

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Student.java X Listloader.java

```
    else {  
        System.out.println("Not Eligible for Exemption");  
    }  
  
    //2nd method  
  
public void compareMarks(long Maths, double English) {  
    if(English > Maths) { //if block to check  
        System.out.println("English mark is higher than Maths");  
    }  
  
    else if(English < Maths) {  
        System.out.println("Maths mark is higher than English");  
    }  
    else {  
        System.out.println("Both Are Equal");  
    }  
}  
  
//3rd method  
public void validateFees(double Fees) {  
    if(Fees > 10000000) { //if block for check  
        System.out.println("Fees is Infinite");  
    }  
    else {  
        System.out.println("Fees is not infinite");  
    }  
}
```

Elements @ Javadoc Declaration Console X

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```
system.out.println("fees is not infinite");  
}  
System.out.println("the byte value of fees is "+(byte)Fees); //print the byte value  
}  
public static void main(String ...args) {  
    Student s=new Student(); //creating object of the main class  
  
    //calling the first method  
    s.calculateFeesStructure(222, 'C', 600, true);  
    s.calculateFeesStructure(100, 'B', 455, true);  
    s.calculateFeesStructure(900, 'F', 1097, false);  
  
    //calling the second method  
    s.compareMarks(85, 65);  
s.compareMarks(78, 90);  
s.compareMarks(78, 78);  
  
    //calling the third method  
s.validateFees(250);  
}
```

Elements @ Javadoc Declaration Console X

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F fee is exmpted,the calculated fees is:564.0

F fee is exmpted,the calculated fees is:418.6

Eligible for Exemption

s mark is higher than English

s mark is higher than Maths

Are Equal

is not infinite

byte value of fees is -6

Writable

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