1..Write a Java program that checks the time (given in a 24 Hour format) and turns on the light Switches in a smart home (program has to display lights on or lights off).

2. Write a Java program to check if a number is a multiple of 3 or otherwise.

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eclipse-workspace - B28/src/org/tns/program/multiples.java - Eclipse IDE
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                                                 1 package org.tns.program;
2 import java.util.Scanner;
  ⇒ ■ JRE System Library [JavaSE-17]
                                                                                                                                             <terminated> multiples [Java Application] C:\Users\divya\.p2\pool\plugins\org.eclips

    # org.tns.program

                                                   5 public class multiples {
                                                                                                                                             1005is a multiples of 3

    ☑ FirstProg.java
    ☑ library.java

                                                              // TODO Auto-generated method stub
Scanner sc = new Scanner(System.in);
System.out.println("Enter the number");
       > D Light on off.iava
      > 🗓 multiples.java
    int number = sc.nextInt();
if(number % 3 == 0) {
                                                                  System.out.println(number +"is a multiples of 3");
                                                                   System. out.println(number +"is not a multiples of 3"):
```

3.A library charges a fine for books returned late as given below Design a program to calculate the fine for N days.

First 5 days	Rs.1 per day
Next five days	Rs.5 per day
Above 10 days	Rs.10 per day

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    package org.tns.program;

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~ № B28
                                                2 import java.util. Scanner;
                                                                                                                                <terminated> library [Java Application] C\Users\divya\.pZ\pool\plugins\org.eclipse.ju
 > M JRE System Library [JavaSE-17]
                                                                                                                                Enter the days you returned late
 v / src
                                               4 public class library [
   ∨ # org.tns.program
                                              58 public static void main(String[] args) [
                                                                                                                                The fine is 160
     > D FirstProg.iava
                                                        Scanner sc = new Scanner(System.in);
     ibraryjava 🗓
                                                          System.out.println("Enter the days you returned late");
     ) 🎚 Light on off.java
                                                            int days = sc.nextInt();
     : 🗵 multiples.java
                                                          if (days<5) {
                                                                System.out.println("The fine is "+days*1);
                                              10
     : In student iava
   module-info.java
                                                            else if((days>5)&&(days<10)) {
                                              13
                                                               System.out.println("The fine is "+days*5);
                                              14
                                              15
                                              16
                                                            else {
                                                                 System.out.println("The fine is "+days*10);
                                              19
                                              20 }
```

4. Program has to design student data(name, age, 3 subjects, Total and average).

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Celipse-workspace - 828/arc/org/hns/program/studentjava - Eclipse IDE

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