IT24101983

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**Q3**

import java.util.Scanner;

public class IT24101983Lab5Q3 {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

//Declare

int startdate, enddate, numres;

double tot\_cost;

final int r\_charge = 48000;

final double disc10 = 0.1;

final double disc20 = 0.2;

//Inputs

System.out.print("Enter Start Date (1-31): ");

startdate = input.nextInt();

System.out.print("Enter End Date (1-31): ");

enddate = input.nextInt();

System.out.println();

//Validation check

if(startdate < 1 || startdate > 31 || enddate < 1 || enddate > 31){

System.out.println("Error: Days must be between 1 and 31");

return;

}

if(startdate > enddate){

System.out.println("Error: Start Date must be less than End Date");

return;

}

numres = enddate - startdate;

tot\_cost = r\_charge \* numres;

if(numres >= 3 && numres <= 4){

tot\_cost = tot\_cost - (tot\_cost \* disc10);

}

else if(numres >= 5){

tot\_cost = tot\_cost - (tot\_cost \* disc20);

}

//Display

System.out.println("Room Charge Per Day: Rs. 48000.0/=");

System.out.println("Number of Days Reserved: " + numres);

System.out.println("Total Amount to be Paid: " + tot\_cost);

}

}