Name : Inigo

Last Name : Dela Vega

Project Number : 2

Date : 9/5/2023

|  |  |
| --- | --- |
| English Format | Java Format |
| //line comment | //This is the 1st Trip Package |
| BaseChargeRate = 350.00 | Double BaseChargeRate = 350.0; |
| TrainingChargesRate = 100.00 | Double TrainingChargesRate = 100.0; |
| RentalTentCharges = 40(group of 4) | Double RentalTentCharges = 40.0; |
| TotalCharges=0.00 | Double TotalCharges = 0.0; |
| TrainingCharges=0.00 | Double TrainingCharges= 0.0; |
| RentalTentCharges=0.00 | Double RentalTentCharges= 0.0; |
| NumberOfDays= 3 | Int NumberOfDays = 3; |
| NumberOfNights | Int NumberOfNights = NumberOfDays-1; |
| Party(Number Going On Trip) | Int Party |
| Training(How Many Need training) | Int Training |
| Ask For User Input ( Amount of Party) | System.out.println(“How Many Party Members?”); |
| Input Party | Party=input.nextInt(); |
| Calculate the Base Charge | //calculate Base Charges |
| BaseCharges=BaseChargeRate\*Party | BaseCharges = Party\*BaseChargesRate; |
| TotalCharge=BaseCharge | TotalCharges = TotalCharge + BaseCharge; |
| If(paty>=5) | If(Party>=5) |
| { | { |
| DiscountCharges=BaseCharges\*DiscountRate | DiscountCharges=BaseCharges\*DiscountRate; |
| TotalCharges=TotalChrages-DiscountCharges | TotalCharges=TotalChrages-DiscountCharges; |
| } | } |
| Else | Else |
| { | { |
| DiscountCharges=0.0 | DiscountCharges=0.0; |
| TotalCharges=TotalCharge+DiscountCharges | TotalCharges=TotalCharge+DiscountCharges; |
| } | } |
| Calculate training charges | // |
| Inform the user how many taking Training | System.out.println(“How Many Need Training?”); |
| Input Training | Training = input.nextInt(); |
| TrainingCharges=Training\*TrainingChargesRate | TrainingCharges=Training\*TrainingChargesRate; |
| TotalCharges=TotalCharges+TrainingCharge | TotalCharges=TotalCharges+TrainingCharge; |
| Calculate Tent Rental Charges |  |
| Infrorm the user how many tents needed | System.out.println(“How Many Tents Do You Need?”); |
| Input Tents | TotalTents=input.nextInt(); |
| RentalTentCharges=(days-1)\*number of tents\*  RentalTentChargesRate | RentalTentCharges=(days-1)\*number of tents\*  RentalTentChargesRate; |
| totalCharges=TotalCharges + RentalTentCharges | totalCharges=TotalCharges + RentalTentCharges; |
| Display Data | Print Data; |
| Display number of people going on trip | System.out.println(“number of people going on trip;” + party); |
| Display BaseCharges | System.out.println(“The Base Charges are:” + BaseCharges); |
| Display DiscountCharges | System.out.println(“The Discount Charges are:” +DiscountCharges); |
| Display TrainingCharges | System.out.println(“The Training Charges are:” + TrainingCharges); |
| Display RentalTentCharges | System.out.println(“The Rental Charges are:” + RentalTentCharges); |
| Display TotalCharges | System.out.println(“The Total Charges are:” + TotalCharges); |

Notes:

An Object has

1. Identity
2. Attributes example MyChair.Color = (assigned a value)
3. Methods example MyChar.rotate(takes in argument)

To compile

Javac (name of program.java)

To run

Java trip