

**Mumbai Educational Trust's
Institute of Information Technology
Java Programming**

Assignment #4 (Assignment Related to Reflection)

Date of Submission:NA

Using Java Programming do the following:

1. Create a Package MetTours implementing following:

(this function returns per day rent to be paid by Traveller. Calculation logic can be assumed as given below.)

Following are the classes

a. class EconomyTours

double getDaysRent(int days , int noPersons)

b. class PremuimTours

double getPerDayRentForCommon(int days , int noPersons)

double getPerDayRentForSeniors(int days , int noPersons)

double getPerDayRentForWoman(int days , int noPersons)

(logic for getPerDaysRent as under

For Economy Tours Flat charges of Rs 500/- per day / per person

For Premuim Tours charges of Rs 1200/- per day / per person (for
Seniors 100 Rs discount on per day Rent, for Woman discount

200 rs)

If no of days > 6 then 100 Rs Discount per day / per person

If no of persons >= 4 Discount is Rs 100 per day / per person

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- a) program which Class Name and Method Name at runtime and Calculate Daily Rent (no of days & no of persons to be provided as arguments), Calculate Total Tour Expense.

2. Apply following Annotations.

- a) `LuxuryTax` : to be applied on class / will have a integer value, default 8 (in percentage);

This attribute also to be applied on `PremuimTours`, value of 10

3) In Main Program calculates the Total Tour Expense

`perDayRate` charges will be available by calling `getDaysRent()` on respective class

This function takes into consideration the Attribute applied on a particular class

And its value provided.

Example if class is having Attribute `LuxuryTax` then above function will add

Tax as per value of the Attribute

Note:

- 1) Program should be according to convention followed in class codes.