**NEW DoCar RATES**

1. There are new terms of the Online Car Transportation tariff for a startup called DoCar as follows:

**Argo Minimum = Rp 10,000 (for 0-1 KM)**

|  |  |
| --- | --- |
| **Range KM** | **Accumulative rate per KM** |
| 0 < KM <= 10 | Rp 2,500 |
| 10 < KM <= 25 | Rp 2,250 |
| 25 < KM <= 50 | Rp 2,000 |
| 50 < KM <= 500 | Rp 1,750 |
| > 500 | Can't travel, maximum limit is 500 km |

The rate paid are accumulative, as illustrated below:

For example, the user was traveling for **30 KM**

The calculation of the rate as follows:

* Argo minimum 10,000
* Accumulation 0-10 2,500/KM (10 KM starter rate)
* Accumulated 10-25 2,250/KM (15 KM next rate)
* Accumulated 25-30 2,000/KM (for next 5 KM)

The total 30 KM journey

So,

**Rate = 10,000 + (10\*2,500) + (15 \* 2,250) + (5\*2,000)**

**= Rp 78,750**

Make a python program that can accept input from the user in the form of distance travelled in the form of an integer number with a range (0 – 5,000,000).

The program will give an output of a price that must be paid by the online transportation user.

Information:

Input from the user is an integer with a range between **0 - 5,000,000**

The output of the program is an **integer number**.

Example:

**Input**

**>>** 30

**output**

**>>** 78750

Example:

**Input**

**>>** 514

**output**

**>>** Can't travel, maximum limit is 500 km

**Jamin-Sugih INVESTMENT CALCULATOR**

1. Our Investment Company Jamin-Sugih Co provide the best investation that provide flat profit sharing for **25% each year**.

Please help us to make a python program that can accept input from the user in the form of:

* 1. Money Capital (**integer between 0-1,000,000,000**)
  2. Investment Tenure (**integer between 1-25 in term of year**)

The program will give an information of cumulative investment each year, using iteration for each year

Example:

**Input**

>> Money Capital : 100000

>> Investment Tenure (years) : 2

**Output**

>> Year 1, your total investment : 125000.0

>> Year 2, your total investment : 156250.0

**Input**

>> Money Capital : 20000000000

>> Investment Tenure (years) : 2

**Output**

>> Your investment is reaching our limit, we can’t handle this

**Input**

>> Money Capital : 20000

>> Investment Tenure (years) : 30

**Output**

>> Maximum tenure should be 25 years