# A test of "fundamentals of programming" 18 March 2016

## Task 3 Rental car.

Write a program , that **compared with a budget and season** to calculate **the cost, type and class** **of car** rental.

The seasons are summer and winter – " **Summer**" and " **Winter**" Type of convertible cars. and Jeep- " **Cabrio**" and " **Jeep**".

        In the **budget, or less** than **$100.**:

o The class will be- **" Economy class"**

o **According to the season the car and the price** will be:

  **Summer**– **Convertible** – **35% of the budget**

  **Winter**– **Jeep** – **65% of the budget**

        With a budget **greater than $100**. and **less than or equal** than **500 EUR**.:

o The class will be- **"Compact class"**

o **According to the season the car and the price** will be:

  **Summer**– **Convertible** – **45% of the budget**

  **Winter**– **Jeep** – **80% of the budget**

        With a budget **greater than $500**.:

o The class will be – **"Luxury class"**

o **Each season's car Jeep**and the price will be:

  **90 % of budget**

### Login

The input is read from the console and consists of **two rows**:

        **The first row**– **Budget** – **a real number** in the range **[10:00 ... 10000.00]**

        **The second line**– **Season** – **text** " **Summer**" or " **Winter**"

### Exit

The console must be printed **two lines**.

        **The first row**– **" {Type of class} "**

o **" Economy class "**, **" Compact class"**or **"Luxury class "**

        **The second line**– **" {Type of car}**- **{price of car} "**

o **Type of car**– " **Cabrio**" or " **Jeep**"

o **Price**it must be **formatted to the second character after the comma**

### Sample input and output

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | | | |
| 450  S ummer | Compact class  Cabrio - 202.50 | **100 < 450 <= 500 EUR**. – > class **" Compact class "**  The season is **summer** – price > = **45%** of **450 = 202.5**; type car – > " **Cabrio**" | | | |
| **Login** | **Exit** | **Login** | **Exit** | **Login** | **Exit** |
| 450  Winter | Compact class  Jeep - 360.00 | 99.99  Summer | Economy class  Cabrio - 35.00 | 70.50  Winter | Economy class  Jeep - 45.83 |
| **Login** | **Exit** | **Login** | **Exit** |  | |
| 1010  Summer | Luxury class  Jeep - 909.00 | 1010  Winter | Luxury class  Jeep - 909.00 |  | |