

## Ticket Office Assignment

Design a Console app that asks the customer their age and if they want a standing or a seated ticket. Based on the customer's response, give the customer a total price in SEK (kronor), the amount of tax and a ticket number.

When you run the app, it should ask the user for:

- Age
- Standing or Seated ticket

The app has at least three methods:

- *TaxCalculator*
- *PriceSetter*
- *TicketNumberGenerator*

The **PriceSetter** method has six prices to consider.

| Age   | Price, Seated place (SEK) | Price, Standing place (SEK) |
|-------|---------------------------|-----------------------------|
| -11   | 50                        | 25                          |
| 12-64 | 170                       | 110                         |
| 65-   | 100                       | 60                          |

Method parameters:

int *age*

string *place*

Return value: int

The **TaxCalculator** takes the price and returns a value of 6% tax on the price given.

Method parameters:

int *price*

Return value: decimal

Use this formula to calculate the tax:

$$tax = (1 - 1/1.06) * price$$

The **TicketNumberGenerator** returns a number between 1 and 8000.

No method parameters.

Return value: int

Let the method generate a random number between 1 and 8000.

**Finish the assignment by Friday and upload it to GitHub**