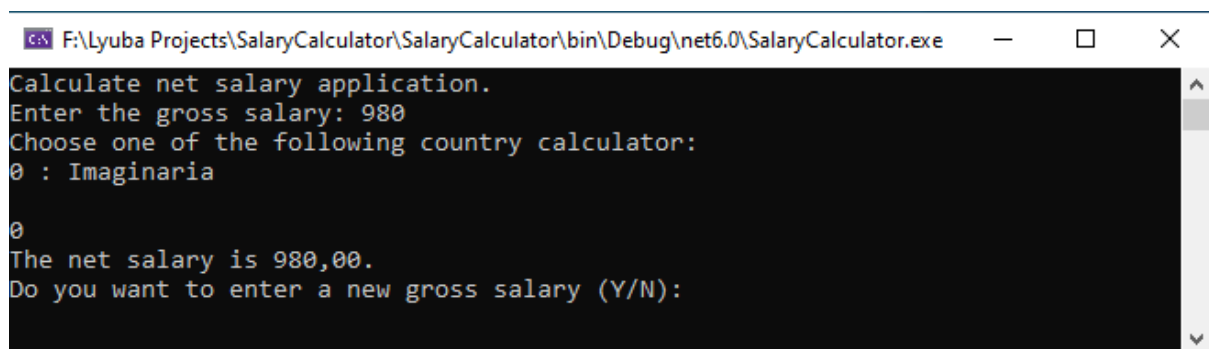


# Salary Calculator

A console application is created to calculate the net salary when a gross value is given as input.

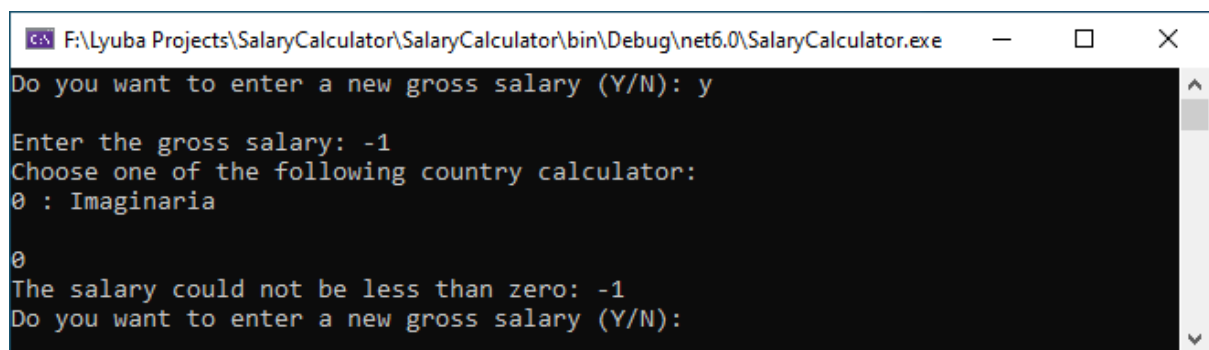
The application works on Windows 10 with .Net 6.0.

The user enters the gross salary that should be calculated. Then he (she) chooses the country for which the net salary will be calculated. For now there is a calculator only for Imaginaria. The calculated net salary is displayed. The user decides if a new gross salary should be calculated.



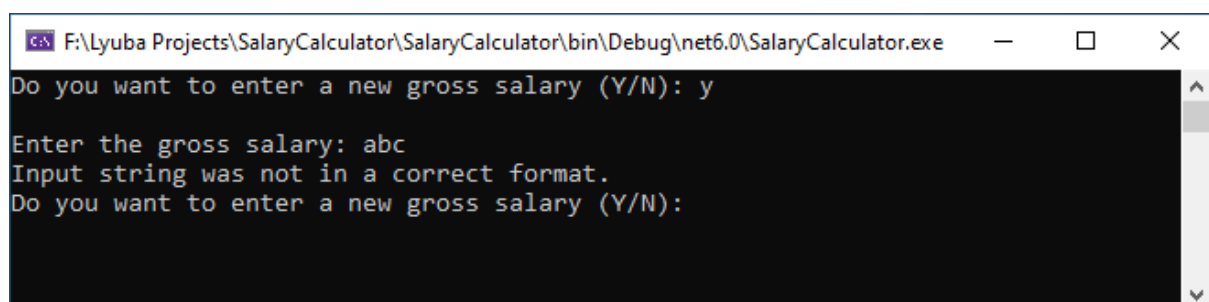
```
F:\Lyuba Projects\SalaryCalculator\SalaryCalculator\bin\Debug\net6.0\SalaryCalculator.exe
Calculate net salary application.
Enter the gross salary: 980
Choose one of the following country calculator:
0 : Imaginaria
0
The net salary is 980,00.
Do you want to enter a new gross salary (Y/N):
```

If the input gross salary is less than zero then a message is displayed:



```
F:\Lyuba Projects\SalaryCalculator\SalaryCalculator\bin\Debug\net6.0\SalaryCalculator.exe
Do you want to enter a new gross salary (Y/N): y
Enter the gross salary: -1
Choose one of the following country calculator:
0 : Imaginaria
0
The salary could not be less than zero: -1
Do you want to enter a new gross salary (Y/N):
```

If the input gross salary is not a number then a message for incorrect format is displayed:



```
F:\Lyuba Projects\SalaryCalculator\SalaryCalculator\bin\Debug\net6.0\SalaryCalculator.exe
Do you want to enter a new gross salary (Y/N): y
Enter the gross salary: abc
Input string was not in a correct format.
Do you want to enter a new gross salary (Y/N):
```

If the selected calculator number doesn't exist then a message for unknown calculator type is displayed:

```
F:\Lyuba Projects\SalaryCalculator\SalaryCalculator\bin\Debug\net6.0\SalaryCalculator.exe
Do you want to enter a new gross salary (Y/N): y
Enter the gross salary: 2537
Choose one of the following country calculator:
0 : Imaginaria
1
SalaryCalculator1 is not a known Salary Calculator type
Do you want to enter a new gross salary (Y/N):
```

If the selected calculator is not a number then a message for incorrect format is displayed:

```
F:\Lyuba Projects\SalaryCalculator\SalaryCalculator\bin\Debug\net6.0\SalaryCalculator.exe
Do you want to enter a new gross salary (Y/N): y
Enter the gross salary: 5
Choose one of the following country calculator:
0 : Imaginaria
abc
Input string was not in a correct format.
Do you want to enter a new gross salary (Y/N):
```

The taxation rules in the country of Imaginaria as of date are as follows:

- 1.) There is no taxation for any amount lower or equal to 1000 Imaginaria Dolars (IDR).
- 2.) Income tax of 10% is incurred to the excess (amount above 1000).
- 3.) Social contributions of 15% are expected to be made as well. As for the previous case, the taxable income is whatever is above 1000 IDR but social contributions never apply to amounts higher than 3000.

Example 1 : George has a salary of 980 IDR. He would pay no taxes since this is below the taxation threshold and his net income is also 980.

Example 2 : Irina has a salary of 3400 IDR. She owns income tax : 10% out of 2400 => 240. Her Social contributions are 15% out of 2000 => 300. In total her tax is 540 and she gets to bring home 2860 IDR.

Example 3 : John has a salary of 2537 IDR. He owns income tax : 10% out of 1537 => 153,7. His Social contributions are 15% out of 1537 => 230,55. In total his tax is 384.25 and he gets to bring home 2152,75.

```
F:\Lyuba Projects\SalaryCalculator\SalaryCalculator\bin\Debug\net6.0\SalaryCalculator.exe
Enter the gross salary: 2537
Choose one of the following country calculator:
0 : Imaginaria
0
The net salary is 2152,75.
Do you want to enter a new gross salary (Y/N):
```