
BOĞAZİÇİ UNIVERSITY

CMPE 230

- HOMEWORK III -

Calculator with Qt

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1. Introduction

We are expected to develop a QT program that implements a decimal/hexadecimal calculator which can calculate in both hexadecimal and decimal modes.

2. Project Implementation Details

We used Qt 5.1.1 for developing the calculator. It was based on C++ language. The calculator works as a classic calculator. It simply applies each operator as it is input meaning it reads and operates left to right.

For example, the result of the following operation is 21 in decimal mode.

>>> 2 + 5 * 3

There are 16 number buttons and they are suitable for hexadecimal numbers. There are four operator buttons. Simple arithmetic operations : +, *, -, /. Additionally, there are clear and equal buttons that results the operation.

Other than all, there are 2 buttons that enable changing the modes.

3. Screenshots





4. How To Run

```
> qmake -project  
> qmake Project3.pro  
> make
```

5. Conclusion

This was a great project to teach and understand the concept of Qt programming. We enjoyed very much.

The downside was the heavy size of the program. It took more than one hour to install it.