

Vorlesung „Mensch-Computer-Interaktion“

## GRAPHICAL USER INTERFACES

im Gegensatz zu Kommandozeilen-Interfaces

Prof. Dr. Tom Vierjahn

Visual Computing (<https://vc.w-hs.de>)

Fachbereich Wirtschaft und Informationstechnik – Campus Bocholt



Wintersemester 2020/21



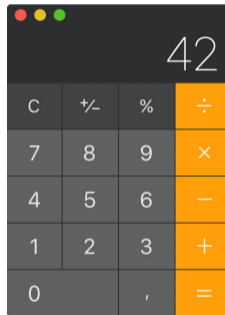
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# Command Line Interface vs. Graphical User Interface

Beispiel: Taschenrechner

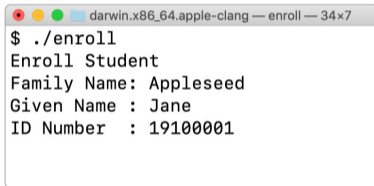
```
darwin.x86_64.apple-clang —...  
$ ./main  
enter operand : 6  
enter operator: *  
enter operand : 7  
RESULT      : 42  
$
```



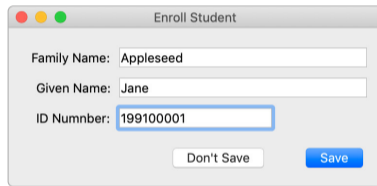
Apple Calculator.app

# Command Line Interface vs. Graphical User Interface

Beispiel: Dateneingabe



```
darwin.x86_64.apple-clang — enroll — 34x7
$ ./enroll
Enroll Student
Family Name: Appleseed
Given Name : Jane
ID Number  : 19100001
```



Enroll Student

Family Name:

Given Name:

ID Numnber:

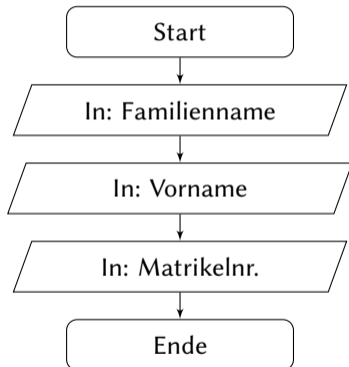
## Code:

```
std::cout << "Enroll Student" << std::endl;
std::cout << "Family Name: ";
std::string family_name;
std::cin >> family_name;
std::cout << "Given Name : ";
std::string given_name;
std::cin >> given_name;
std::cout << "ID Number : ";
std::size_t id;
std::cin >> id;
```

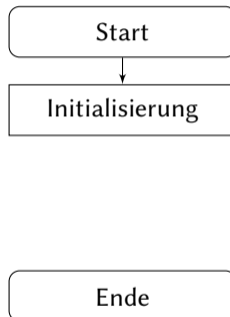
## Code:

```
QApplication app(argc, argv);  
  
DataInputDialog data_input;  
data_input.show();  
  
return app.exec();
```

## Command Line Interface:




## Graphical User Interface:




- ▶ Beispiele: Taschenrechner, Formulareingabe
- ▶ Dateneingabe
- ▶ Flussdiagramm

Prof. Dr. Tom Vierjahn

▶  tom.vierjahn@w-hs.de

Visual Computing

▶  <https://vc.w-hs.de>

▶  VisualComputingWH

▶  Visual Computing WH

▶  @VisComputingWH

Westfälische Hochschule

Fachbereich Wirtschaft und Informationstechnik

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