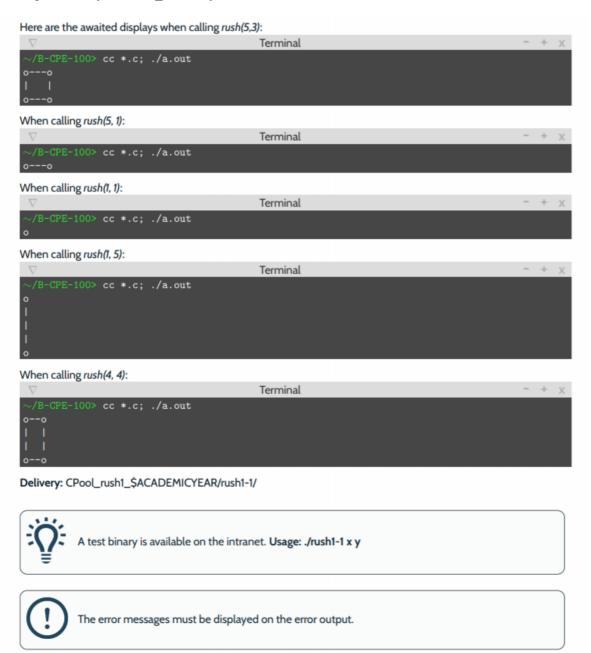# Rush 1 – The Squares

The goal of the project:

The goal of this project is to display a square on the screen. In each assignment, the squares will look differently (see below).

Creators: This project was made by Yaowanart Hure and William Gaudfrin during the 1st year at Epitech Lille. (September 2018)

How does it work?

Assignment 1: file Rush1_1 in the folder that have the same name

Here are the awaited displays when calling *rush(5,3)*:

```
~/B-CPE-100> cc *.c; ./a.out
o---o
|   |
o---o
```

When calling *rush(5, 1)*:

```
~/B-CPE-100> cc *.c; ./a.out
o---o
```

When calling *rush(1, 1)*:

```
~/B-CPE-100> cc *.c; ./a.out
o
```

When calling *rush(1, 5)*:

```
~/B-CPE-100> cc *.c; ./a.out
o
|
|
|
o
```

When calling *rush(4, 4)*:

```
~/B-CPE-100> cc *.c; ./a.out
o--o
|  |
|  |
o--o
```

Delivery: CPool_rush1_$ACADEMICYEAR/rush1-1/

A test binary is available on the intranet. **Usage: ./rush1-1 x y**

The error messages must be displayed on the error output.

Here are the awaited displays when calling *rush(5,3)*:

```
~/B-CPE-100> cc *.c; ./a.out
/***\
*    *
\***/
```

When calling *rush(5, 1)*:

```
~/B-CPE-100> cc *.c; ./a.out
*****
```

When calling *rush(1, 1)*:

```
~/B-CPE-100> cc *.c; ./a.out
*
```

When calling *rush(1, 5)*:

```
~/B-CPE-100> cc *.c; ./a.out
*
*
*
*
*
```

When calling *rush(4, 4)*:

```
~/B-CPE-100> cc *.c; ./a.out
/**\
*  *
*  *
\**/
```

Delivery: CPool_rush1_$ACADEMICYEAR/rush1-2/

A test binary is available on the intranet. **Usage: ./rush1-2 x y**

The error messages must be displayed on the error output.

Here are the awaited displays when calling *rush(5,3)*:

```
                              Terminal                         -  +  X
~/B-CPE-100> cc *.c; ./a.out
ABBBA
B   B
CBBBC
```

When calling *rush(5, 1)*:

```
                              Terminal                         -  +  X
~/B-CPE-100> cc *.c; ./a.out
BBBBB
```

When calling *rush(1, 1)*:

```
                              Terminal                         -  +  X
~/B-CPE-100> cc *.c; ./a.out
B
```

When calling *rush(1, 5)*:

```
                              Terminal                         -  +  X
~/B-CPE-100> cc *.c; ./a.out
B
B
B
B
B
```

When calling *rush(4, 4)*:

```
                              Terminal                         -  +  X
~/B-CPE-100> cc *.c; ./a.out
ABBA
B  B
B  B
CBBC
```

Delivery: CPool_rush1_$ACADEMICYEAR/rush1-3/

💡 A test binary is available on the intranet. **Usage:** ./rush1-3 x y

⚠ The error messages must be displayed on the error output.

Assignment 4: file Rush1_4 in the folder that have the same name

Here are the awaited displays when calling *rush(5,3)*:

```
▽                              Terminal                        —  +  X
~/B-CPE-100> cc *.c; ./a.out
ABBBC
B   B
ABBBC
```

When calling *rush(5, 1)*:

```
▽                              Terminal                        —  +  X
~/B-CPE-100> cc *.c; ./a.out
BBBBB
```

When calling *rush(1, 1)*:

```
▽                              Terminal                        —  +  X
~/B-CPE-100> cc *.c; ./a.out
B
```

When calling *rush(1, 5)*:

```
▽                              Terminal                        —  +  X
~/B-CPE-100> cc *.c; ./a.out
B
B
B
B
B
```

When calling *rush(4, 4)*:

```
▽                              Terminal                        —  +  X
~/B-CPE-100> cc *.c; ./a.out
ABBC
B  B
B  B
ABBC
```

Delivery: CPool_rush1_$ACADEMICYEAR/rush1-4/

💡 A test binary is available on the intranet. **Usage: ./rush1-4 x y**

! The error messages must be displayed on the error output.

Assignment 5: file Rush1_5 in the folder that have the same name

Here are the awaited displays when calling *rush(5,3)*:

```
~/B-CPE-100> cc *.c; ./a.out
ABBBC
B   B
CBBBA
```

When calling *rush(5, 1)*:

```
~/B-CPE-100> cc *.c; ./a.out
BBBBB
```

When calling *rush(1, 1)*:

```
~/B-CPE-100> cc *.c; ./a.out
B
```

When calling *rush(1, 5)*:

```
~/B-CPE-100> cc *.c; ./a.out
B
B
B
B
B
```

When calling *rush(4, 4)*:

```
~/B-CPE-100> cc *.c; ./a.out
ABBC
B  B
B  B
CBBA
```

Delivery: CPool_rush1_$ACADEMICYEAR/rush1-5/

A test binary is available on the intranet. **Usage:** ./rush1-5 x y

The error messages must be displayed on the error output.