



B1- Unix and C Lab Seminar

B-CPE-100

Rush#1

The Squares

v2.0





Rush#1

The Squares

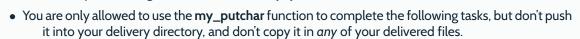
repository name: CPool_rush1_\$ACADEMICYEAR

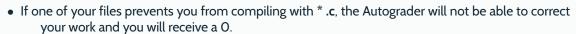
repository rights: ramassage-tek

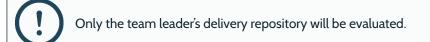
language: C group size: 2

• Your repository must contain the totality of your source files, but no useless files (binary, temp files, obj files,...).



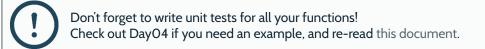














The goal of this project is to display a square on the screen. In each assignement, the squares will look differently (see below). You have to write the *rush* function, which will be called by **our** main function, which will look like this:

```
void rush(int x, int y);
int main()
{
    rush(5, 5);
    return (0);
}
```

In case of error, the function should return and display "Invalid size $\ n$ " on the standard error output.



All assignements must be done.

Team work

Here are a couple of important rules to follow:

- The team leader must register his/her group for the oral presentation.
- You will find the list of mandatory groups and your assignement number in the group_\$YEAR_\$CITY.txt file.
- You must complete your oral presentation on Sunday, at the right time, and with all of your partners.
- Every member of the group should be fully aware of the work you will have completed. Each member will be questioned, and your group's grade will be based on the worst explanations.
- You have to do everything within your power to contact your partners; look at their intranet profile, find them
 on Facebook or by any other mean. Excuses regarding group problems will not be accepted.
 If, after you have tried everything, and your partner is still unreachable, send an email to the local staff ASAP.





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

```
Terminal - + x

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

o---o

| | |
o---o
```

When calling rush(5, 1):

When calling rush(1, 1):

When calling rush(1, 5):

When calling rush(4, 4):

Delivery: CPool_rush1_\$ACADEMICYEAR/rush1-1/



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







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

```
Terminal - + x

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

/***\
* *

\***/
```

When calling rush(5, 1):

When calling rush(1, 1):

When calling rush(1, 5):

```
Terminal - + X

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

*

*

*

*

*

*

*
```

When calling rush(4, 4):

```
Terminal - + X

~/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





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

When calling rush(5, 1):

When calling rush(1, 1):

When calling rush(1, 5):

When calling rush(4, 4):

Delivery: CPool_rush1_\$ACADEMICYEAR/rush1-3/



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







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

When calling rush(5, 1):

When calling rush(1, 1):

When calling rush(1, 5):

When calling rush(4, 4):

Delivery: CPool_rush1_\$ACADEMICYEAR/rush1-4/



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







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

```
      ▼
      Terminal
      -
      +
      ×

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

When calling rush(5, 1):

When calling rush(1, 1):

When calling rush(1, 5):

When calling rush(4, 4):

Delivery: CPool_rush1_\$ACADEMICYEAR/rush1-5/



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



