



C - Pool - Tek1

Subject Assignment 1 - The squares

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Instructions

- The team leader (first login of the line) has to sign up his group for the defense.
- Any request for precisions on a subject will complicate it.
- It is forbidden to modify the sources of your project after 10 AM Sunday.
- The subject may change until one hour before turn-in.
- The assignment exercises are to be carried out by groups of 2.
- Only the team leader's turn-in directory will be collected.
- You will find the list of the imposed groups and your assigned subject in files `group_promotion_city.txt`.
- You will have to carry out the indicated subject with your imposed partners and to present yourselves at your defense Sunday, at the right time, with all your partners.
- For the defense, the project should be finished. Defenses are used to present and explain your work in the slightest detail.
- Every member of the group should be fully aware of the achieved work. Each member will be questioned, the mark of the group is based on the worst explanations.
- Obviously, you will have to do everything possible to contact your partners: Look at their intranet profile, facebook, etc... No excuse will be accepted in regard to group problems.
- If after have tried everything one of your partners is still unreachable, send an email to your DPR (Regional Education Director) as soon as possible.
- You can optionally carry out several subjects to get a potential bonus.



It is absolutely mandatory to have the mandatory subject perfectly carried out to claim the bonus subjects.

- Respect the norm takes time, but is good for you. This way your code will respect the norm since the first written line.



Turn-in details

- Turn-in directory:
`Piscine_C_colles-Semaine_01`



Hints

Remember it is always better to create your repository at the beginning of the day and to turn-in your work on a regular basis



Hints

Only the project turned in by your project leader will be picked up

- Binary name:
`a.out`
- Your source code will be compiled with the following command:
`cc *.c`



Indications for all subjects

- You must implement a program that contains the following **main**:

```
1  int main()
2  {
3      colle(5, 5);
4      return (0);
5  }
```

- You have to write the **colle** function that take in parameter 2 variables of type **int** respectively named **x** and **y**.
- Your **colle** function shall display a square of **x** characters of width and **y** characters of height on the screen.
- Your **main** will be modified during the defense to change the parameters of the call to the **colle** function.

- Example:

```
1  int main()
2  {
3      colle(123, 42);
4      return (0);
5  }
```



Subject 01

- colle(5,3) shall display:

```
o---o
|   |
o---o
```

- colle(5, 1) that:

```
o---o
```

- colle(1, 1) that:

```
o
```

- colle(1, 5) that:

```
o
|
|
|
|
o
```

- colle(4, 4) that:

```
o--o
|  |
|  |
|  |
o--o
```

- A test binary is available on the intranet with the subject:

- Usage:
./colle1-1 x y



Subject 02

- colle(5,3) shall display:

```
/***\n*  *\n\\***/
```

- colle(5, 1) that:

```
*****
```

- colle(1, 1) that:

```
*
```

- colle(1, 5) that:

```
*\n*\n*\n*\n*
```

- colle(4, 4) that:

```
/***\n*  *\n*  *\n\\***/
```

- Test binary available on the intranet with the subject:

- Usage:
./colle1-2 x y



Subject 03

- colle(5,3) shall display:

```
ABBBB
B   B
CBBBC
```

- colle(5, 1) that:

```
BBBBB
```

- colle(1, 1) that:

```
B
```

- colle(1, 5) that:

```
B
B
B
B
B
```

- colle(4, 4) that:

```
ABBA
B   B
B   B
CBBB
```

- Test binary available on the intranet with the subject:

- Usage:
./colle1-3 x y



Subject 04

- colle(5,3) shall display:

```
ABBBC
B   B
ABBBC
```

- colle(5, 1) that:

```
BBBBB
```

- colle(1, 1) that:

```
B
```

- colle(1, 5) that:

```
B
B
B
B
B
```

- colle(4, 4) that:

```
ABBC
B   B
B   B
ABBC
```

- Test binary available on the intranet with the subject:

- Usage:
./colle1-4 x y



Subject 05

- colle(5,3) shall display:

```
ABBBB
B   B
CBBBA
```

- colle(5, 1) that:

```
BBBBB
```

- colle(1, 1) that:

```
B
```

- colle(1, 5) that:

```
B
B
B
B
B
```

- colle(4, 4) ceci:

```
ABBC
B   B
B   B
CBBB
```

- Test binary available on the intranet with the subject:

- Usage:
./colle1-5 x y

