

Documentation for TT03_A1_BOO_EE_KEIN_IVAN.cpp

1. Batch.txt

Batch.txt file contains all variables that are needed to be read into the program.

Eg:



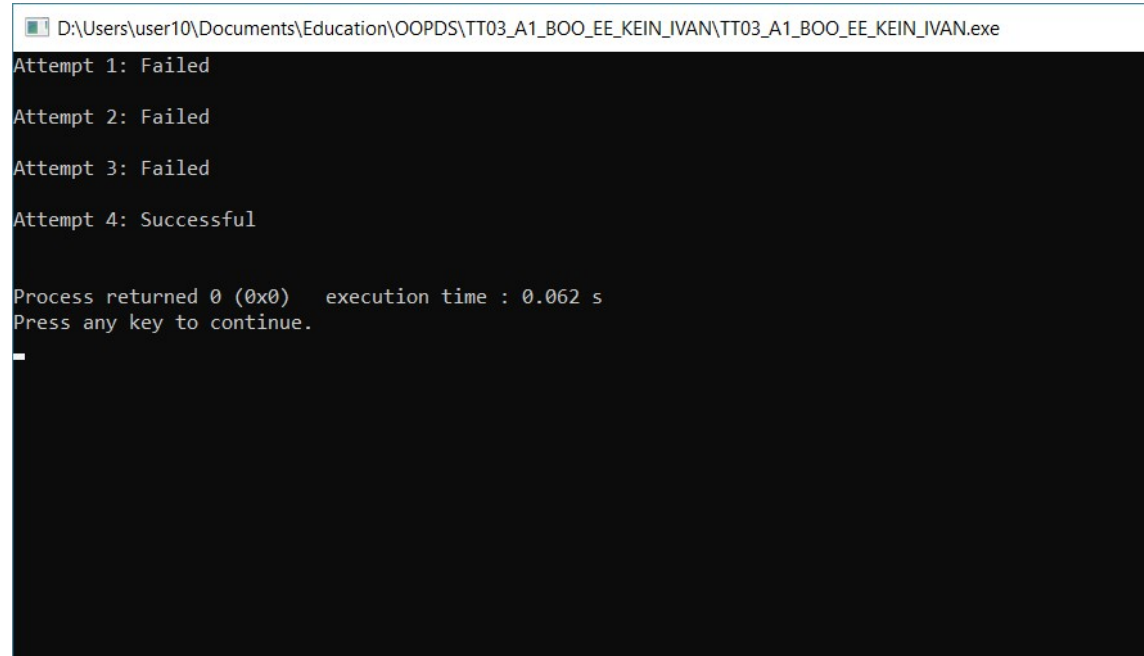
```
Batch - Notepad
File Edit Format View Help
20 20
4
5
1
3
1
3
2
3 5
4 6
```

The list are formed as below:

- Length and width of default Area
- Numbers of shapes that will be formed
- Numbers of Attempts
- Number of Triangles(1)
- The height of Triangle 1
- Numbers of Squares(1)
- The length of Square 1
- Number of Rectangles(2)
- The length and width of Rectangle 1
- The length and width of Rectangle 2

2. Program execution

As the program is being executed, the numbers of fail and success will be shown in the execution window.

A screenshot of a Windows command prompt window. The title bar at the top shows the file path: D:\Users\user10\Documents\Education\OOPDS\TT03_A1_BOO_EE_KEIN_IVAN\TT03_A1_BOO_EE_KEIN_IVAN.exe. The command prompt area has a black background with white text. It displays the following output:
Attempt 1: Failed
Attempt 2: Failed
Attempt 3: Failed
Attempt 4: Successful

Process returned 0 (0x0) execution time : 0.062 s
Press any key to continue.
A single white character, possibly a space or a dash, is visible on the line following the prompt instructions.

```
D:\Users\user10\Documents\Education\OOPDS\TT03_A1_BOO_EE_KEIN_IVAN\TT03_A1_BOO_EE_KEIN_IVAN.exe
Attempt 1: Failed
Attempt 2: Failed
Attempt 3: Failed
Attempt 4: Successful

Process returned 0 (0x0) execution time : 0.062 s
Press any key to continue.
-
```

As there are 3 fails and 1 success, files will be named according to their result and attempt number following the format (result.attemptNumber.txt).

Eg:

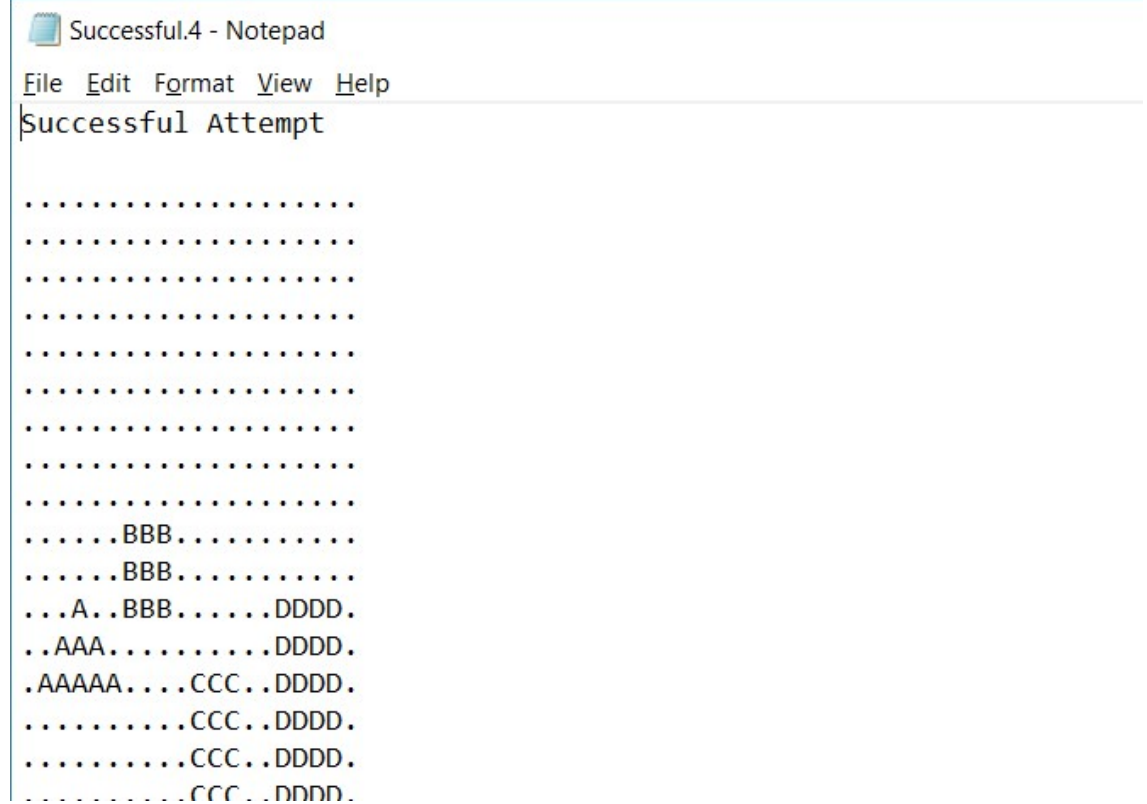
1. Failed.1.txt

```
Failed.1 - Notepad
File Edit Format View Help
Failed Attempt

.....CCC.....
.....CCC.....
.....CCC.....
.....CCC.....
.....CCC.....
.....
.....
.....
.....
..A.....
.AAA.....
AAAAA.....
.....
.....
.....
.....BBB.....
```

It is a failure as not all shapes were fitted into the default area.

2. Success.4.txt



```
Successful Attempt

.....
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....BBB.....
.....BBB.....
...A..BBB.....DDDD.
..AAA.....DDDD.
.AAAAA...CCC..DDDD.
.....CCC..DDDD.
.....CCC..DDDD.
.....CCC..DDDD.
```

It is a success as all the shapes were fitted perfectly into the default area.