* Input a number.
* Display numbers from 1 to that number, in decreasing order

|  |  |
| --- | --- |
| INPUT | OUTPUT |
| 4 | 4 3 2 1 |
| 2 | 2 1 |
| 1 | 1 |
| 0 |  |

1. Draw the structure of your algorithm:

* Main loop
* Main conditions
* Use black boxes for all the treatments (*don’t put the details of the treatments*)

1. Write your code to solve the instructions.
2. Create and fill up your execution table.

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Variable 1 | Variable 2 | Variable 3 |
| 1 |  |  |  |
| 2 |  |  |  |
| … |  |  |  |

1. Present your solution, in a group of 3.

* Why did you choose this structure and why?
* Pass the code between each member of the group and try to improve it.
* Check if input text contains the word “**Rady”.**
* "Yes" if the input text contain the word “Rady”.
* "No" if not

1. What will be the **result** for these outputs?

|  |  |
| --- | --- |
| **Input** | **Output** |
| Hello Rady! How are you? | YES |
| Hi Rady. How old are you? | YES |
| Where is rady? | YES |
| Hi Ronan. | NO |
| Hello, my name is Raly the best. | NO |

1. By using the following structure, fill up the gap and the black boxes to create a functionable flowchart.

Res = “”

i < len(T) and

not found

Get = T

No

Start

END

i = 0

Yes

Yes

Yes

No

No

found = False

1. Fill up your execution table.

|  |  |  |  |
| --- | --- | --- | --- |
| Step | Variable 1 | Variable 2 | Variable 3 |
| 1 |  |  |  |
| 2 |  |  |  |
| … |  |  |  |