* 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 | 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.

number = int(input())

result = “”

for i in range(number)

result = result + str(number-i) + ‘ ‘

print(result())

1. 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. Fill up your execution table.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Step | Text | isFalse | I | Result | I<len(text) and not isFalse | Text[i] =’R’ and text[i+1] == ‘a’and text[i+2] == ‘d’ and text[i+3] ==’y’ | input |
| 1 | He’s rady |  |  |  |  |  |  |
| 2 |  | False |  |  |  |  |  |
| 3 |  |  | 0 |  |  |  |  |
| 4 |  |  |  | NO |  |  |  |
| 5 |  |  |  |  | True |  |  |
| 6 |  |  |  |  |  | False |  |
| 7 |  |  | 1 |  |  |  |  |
| 8 |  |  |  |  | True |  |  |
| 9 |  |  |  |  |  | False |  |
| 10 |  |  | 2 |  |  |  |  |
| 11 |  |  |  | no | True |  |  |
| 12 |  |  |  |  |  | False |  |
| 13 |  |  | 3 |  |  |  |  |
| 14 |  |  |  |  | True |  |  |
| 15 |  |  |  |  |  | False |  |
| 16 |  |  | 4 |  |  |  |  |
| 17 |  |  |  |  | True |  |  |
| 18 |  |  |  |  |  | True |  |
| 19 |  |  |  | Yes |  |  |  |
| 20 |  | True |  |  |  |  |  |
| 21 |  |  | 5 |  |  |  |  |
| 22 |  |  |  |  | False |  |  |
| 23 |  |  |  |  |  |  | YES |