## EX1

-Enter number

-Print “Yes” if number is positive

-Print “No” if number is negative

- Print “Sorry” if number is 0

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| 10 | Yes |
| 0 | Sorry |
| -1 | No |
| -7 | No |

Q2: Draw flowchart on paper

Q3: Write code to solve the problem

## EX2

-Enter a string **number** in the console

- **n** is the length of **string**

-Print **sum of first number with last number in string e**xample: “123” = 4

If string contain only one number it will display that number

**!! You can use only 1 print instruction!!**

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “12345” | 6 |
| “3457” | 10 |
| “1” | 1 |
| “67” | 13 |

Q2: Draw flowchart on paper

Number = input()

Sum = int(number[0])+int(bumber[len(number)-1])

Print(sum)

Q3: Write code to solve the problem

## EX3

-Enter a string **number** in the console

- **n** is the length of **string**

-Print **sum first of 3 number in string**

*example: “1234” = 9 or “12” = 3 or “2” = 2*

If string contains only 1 just display that number

If string contains 2 number just sum both of them

**!! You can use only 1 print instruction!!**

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “12345” |  |
| “3457” |  |
| “1” |  |
| “67” |  |
| “232” |  |

Q2: Draw flowchart on paper

Q3: Write code to solve the problem

## EX4

-Enter a string **number** in the console

- **n** is the length of **string**

-Print **sum last of 3 number in string**

**e**xamples: “1233” = 8 or “12” = 2 or “2” = 2

**!! You can use only 1 print instruction!!**

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “1780945” |  |
| “34857” |  |
| “1” |  |
| “97” |  |

Q2: Draw flowchart on paper

Q3: Write code to solve the problem

## EX5

-Enter a string in the console

- **n** is the length of **string**

-Print **number of uppercase and lowercase**

Example: “AbcD”

= “A”, “D” is uppercase

= “b”, “c” is lowercase

**!! You can use only 1 print instruction!!**

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “abcAdD” |  |
| “abbbA” |  |
| “BsCDew” |  |
| “HKeYD” |  |

Q2: Draw flowchart on paper

Q3: Write code to solve the problem

## EX6

-Enter a number **n** in the console

-Print a number of factorials

**!! You can use only 1 print instruction!!**

Ex:

>4

>1 x 2 x 3 x 4 = 24

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| 3 |  |
| 2 |  |

Q2: Draw flowchart on paper

Q3: Write code to solve the problem

## EX7

-Enter a string in the console

- **n** is the length of **string**

-Print **converting of string from lowercase to uppercase and from uppercase to lowercase**

Example: “Hello” = “hELLO” or “Hi” = “hI” or “GOOD” = “good”

**!! You can use only 1 print instruction!!**

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “hello” |  |
| “World” |  |
| “Hack” |  |
| “Yes” |  |

Q2: Draw flowchart on paper

Q3: Write code to solve the problem