## EX1

-Enter number

-Print “Yes” if number greater than 10 otherwise,print “No”

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| 10 | NO |
| 14 | Yes |
| 13 | Yes |
| 7 | NO |

Q2: Draw flowchart on paper

start

Get=input

Naumber > 10

False

true

Print(“Yes”)

Print(“NO”)

end

Q3: Write code to solve the problem

Number=int(input())

If Number > 10:

Print(“Yes”)

Else:

Print(“No”)

## EX2

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

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

-Print **sum of number in string e**xample: “123” = 6

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

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “12345” | 15 |
| “3457” | 19 |
| “1” | 1 |
| “67” | 13 |

Q2: Draw flowchart on paper

start

Get=input

N=len(number)

Sum=0

Repert=N

No

ongoing

Sum+=int(number[i])

Print(sum)

end

Q3: Write code to solve the problem

number = input()

N = len(number)

Sum = 0

For i in range(N):

Sum += int(number[i])

Print(sum)

## EX3

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

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

-Print **sum of even number in string e**xample: “1234” = 6

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

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “12345” | 6 |
| “3457” | 4 |
| “1” | 0 |
| “67” | 6 |

Q2: Draw flowchart on paper

end

Get=input

N=len(number)

sum=0

Repert=N

No

if int(Number[i]) %2==0:

ongoing

sum+=int(number[i])

Print(sum)

end

Q3: Write code to solve the problem

Number = input()

n = len(Number)

sum=0

for i in range(n):

if int(Number[i]) %2==0:

sum+=int(Number[i])

print(sum)

## EX4

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

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

-Print **sum of number in string are greater or equal than 8 e**xamples: “5988” = 25

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

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “1780945” | 17 |
| “34857” | 8 |
| “1” | 0 |
| “997” | 18 |

start

Q2: Draw flowchart on paper

Get=input

N=len(number)

Sum=0

Repert = N:

No

if int(Number[i]) >= 8:

ongoing

sum+=int(number[i])

Print(sum)

end

Q3: Write code to solve the problem

Number= input()

N =len(Number)

sum=0

for i in range(n):

if int(Number[i]) >=8:

sum+=int(Number[i])

Print(sum)

## EX5

-Enter a string in the console

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

-Print **number of letters in string and print “No letter A” if your string not containing letter A**

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

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “abcAdD” | 2 |
| “abbbA” | 2 |
| “BCD” | No letter A |
| “HKYD” | No letter A |

start

Q2: Draw flowchart on paper

Sum=0

N=len(number)

Get=input

Print(sum)

Repert = N:

if number[i]==”A” or number[i]==”a”:

No

ongoing

sum+=1

end

Q3: Write code to solve the problem

Number=input()

N=len(Number)

sum=0

for i in range(N):

if number[i]==”A” or number[i]==”a”:

sum+=1

print(number)

## EX6

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

-Print a reversed triangle of X (see examples)

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

Ex:

>4

>XXXX

>XXX

>XX

>X

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| 3 | xxx  xx  x |
| 2 | xx  x |

Q2: Draw flowchart on paper

start

Get=input

Resuld=””

Repert = N:

ongoing

No

if j in range(i-1):

Resuld[i]+=”X”

Resuld+=”\n”

Print(resuld)

start

Q3: Write code to solve the problem

n = int(input())

resuld=””

for i in range(n):

if j in range(i-1):

resuld[i] +=”X”

resuld+=”\n”

print(resuld)

Note: here we **don’t allow** you to use this Python instruction:

myText = “X” \* 10

Why? Because it’s too easy like this! **You need to learn to use 2 REPEAT-N-TIMES**

## EX7

-Enter a string in the console

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

-Print **reverse of string => Hi = iH**

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

Q1: Write output following input in table below:

|  |  |
| --- | --- |
| Input | Output |
| “hello” | Olleh |
| “World” | Dlrow |
| “Hack” | Kcah |
| “Yes” | Sey |

Q2: Draw flowchart on paper

start

Get=input

resuld=””

No

Repert(text)

ongoing

resuld+=tet[-i-1]

Print(resuld)

end

Q3: Write code to solve the problem

text=input()

resuld=””

for i in range(len(text)):

resuld+=text[-i-1]

print(resuld)