**Pattern Flowcharts**

1. Draw below pattern up to n numbers.

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Start

Define i=0, j=0, n

Declare variable

Print “Enter number”

Read n (input n as int)

False

True

i < n

2. Draw below pattern up to n numbers.

False

True

i++

print “\n”

End

J++

Display \*

j<= i

1

1 2

1 2 3

1 2 3 4

Start

Define i=1, j=1, n

Declare variable

Print “Enter number”

Read n (input n as int)

False

True

i<=n n

False

True

i++

print “\n”

End

J++

Display j” ”

j<=i

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1. Draw below pattern up to n numbers.

Start

Define i=n, j=1, n

Declare variable

Print “Enter number”

Read n (input n as int)

False

True

i>=1 n

False

True

i—

print “\n”

End

J++

Display “\* ”

j<=i

1. Draw below pattern up to n numbers.

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Start

Define i=1,s, k=0, n

Declare variable

Print “Enter number”

Read n (input n as int)

I<=n n

False

True

False

True

++i

print “\n”

k=0

print “\* ”

++k

k!= 2\*i-1

s++

print “ ”

s<=n-i

End

1 2 3 4

1 2 3

1 2

1

1. Draw below pattern up to n numbers

Start

Define i=n, j=1, n

Declare variable

Print “Enter number”

Read n (input n as int)

False

True

i>=1 n

False

True

i—

print “\n”

End

J++

Display “j ”

j<=i

1. Draw below pattern up to n numbers

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Start

Define i, s=0 , j=1, n

Declare variable

Print “Enter number”

Read n (input n as int)

i = n

True

False

I>=1

False

False

True

True

print “\* ”

++j

Print “/n”

j < i-1

print “\* ”

++j

J<= 2\*i-1

s++

print “ ”

s<=n-I

End