

Flowcharts:

Diagram to represent solutions of programs.

To form a solution we do

- ① small parts
- ② Logically arrange

Flowchart Components:

Start/Exit

(start)

oval

Input/output

Read N

print "Hi"

parallelogram

process

name = "Gan"

Rectangle

Decision

mar > 90

Rhombus

Arrow



Ex:

Sum of 2 Numbers

Input

First Number, a

Second No, b

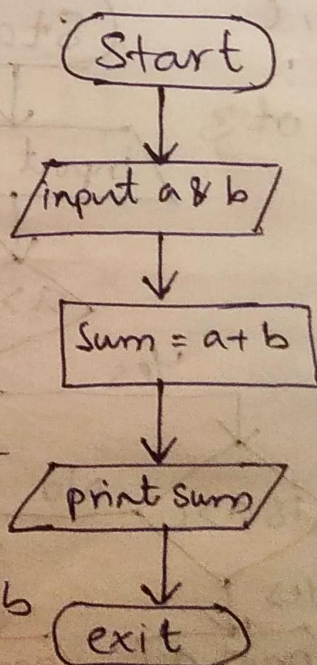
Output

sum of a & b

Solution:

Pseudocode

- 1) Start
- 2) If/No's, a & b
- 3) calculate $sum = a + b$
- 4) Print sum
- 5) Exit



Flowchart

Calculate Simple Interest

Input:

principle, P

Rate, R

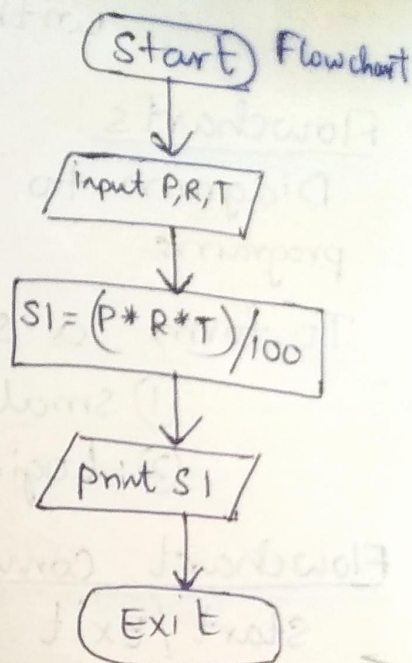
Time, T

Output:

$$SI = \frac{PRT}{100}$$

Pseudocode

- 1) Start
- 2) Input Principle (P),
Rate (R) & Time (T)
- 3) Calculate
 $SI = \frac{(P * R * T)}{100}$
- 4) Print SI
- 5) Exit



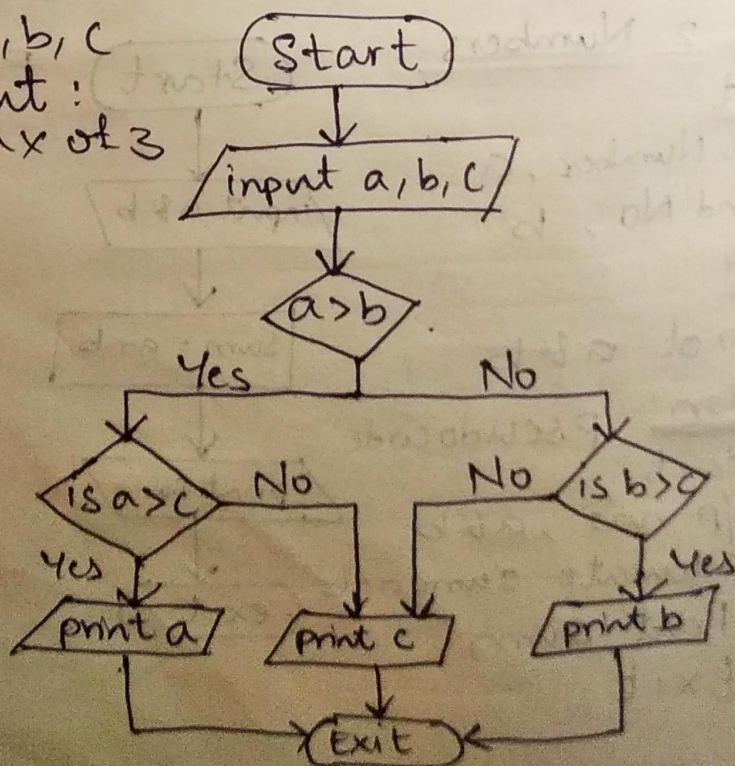
Finding Max of 3 number.

Input: 3 no's

a, b, c

Output:

max of 3



8 pseudocode

1) start

2) input a, b, c

3) if $a > b$ do
 if $a > c$ do
 print a
 else
 print c

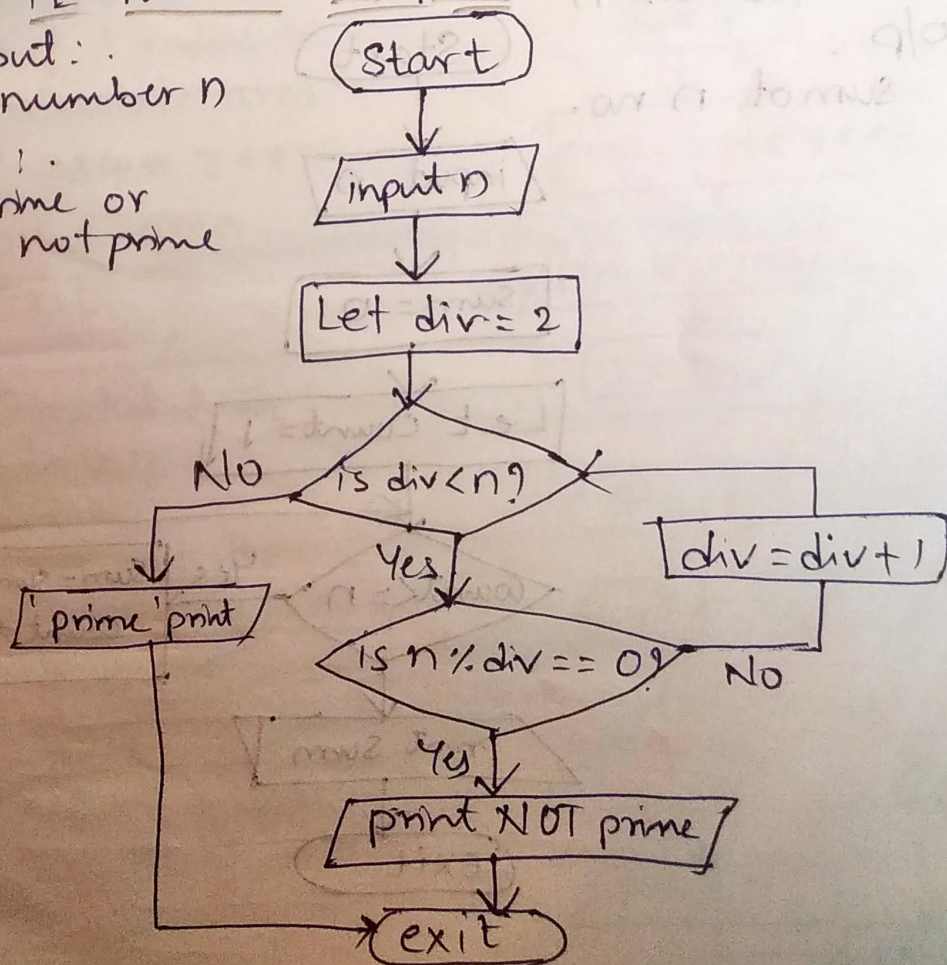
else
 if $b > c$ do
 print b
 else
 print c

4) Exit

Find if number is prime

input:
 number n

O/p:
 prime or
 not prime



Pseudocode:

- 1) Start
- 2) Input n
- 3) Let $div = 2$
- 4) While $div \leq n$ do
 if $N \% div == 0$ do
 print "NOT prime"
 Exit
 else
 $div = div + 1$
- 5) Print Prime
- 6) Exit

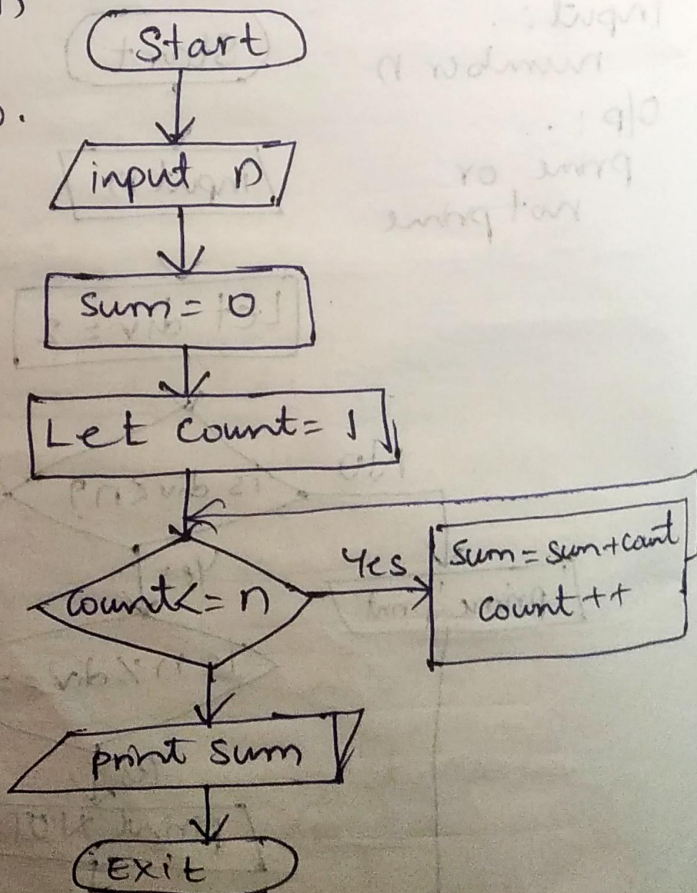
Sum of first n natural numbers.

input:

number n

o/p :

sum of n no.



pseudocode

- 1) Start
- 2) Input n
- 3) $sum = 0$
- 4) $count = 1$
- 5) While $count \leq n$ do
 - $Sum = Sum + count$
 - $Count ++$
- 6) print sum
- 7) Exit