(1) Write an algorithm to find the area of the triangle.

Step (1) : Start

Step (2) : Read breadth and height

Step (3) : Compute the area of triangle -

$$\text{area} = 0.5 \times b \times h$$

Step (4) : Store the area into x.

Step (5) : Print the value of x.

Step (6) : End

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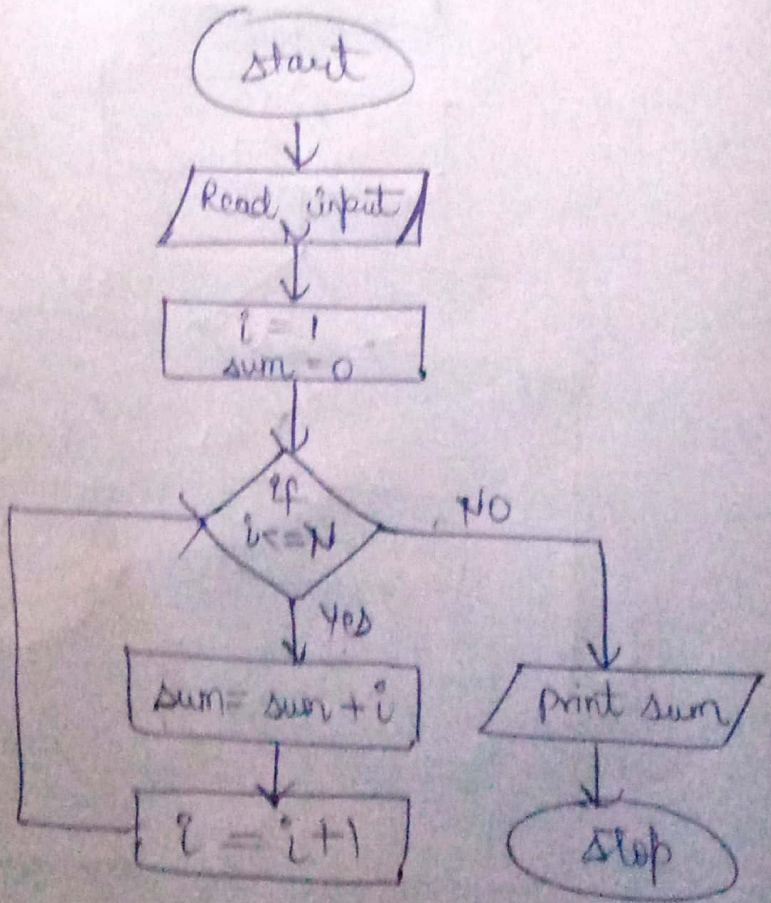
(2) Draw a flowchart for adding the integers from 1 to 100 and to print the sum.



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(3) Write a pseudo code to perform the basic arithmetic operations.

Read N1 and N2.

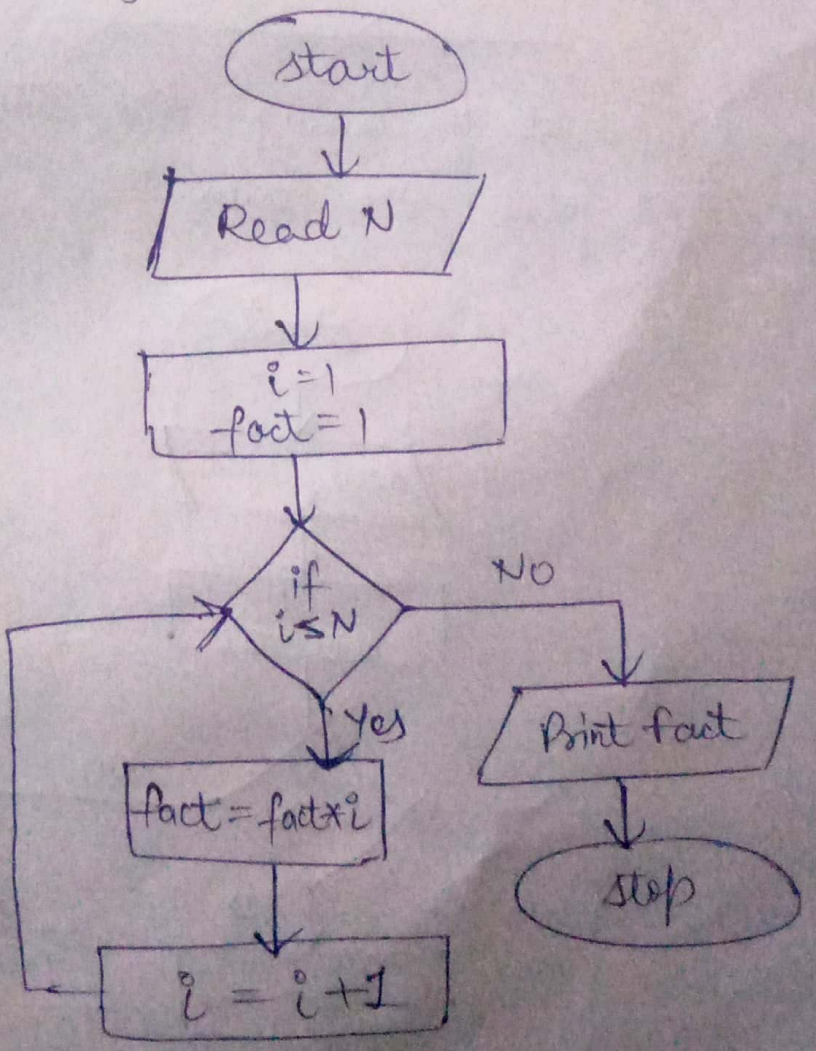
Sum = N1+N2

Subtraction = N1-N2

Multiplication = N1*N2

Divide = N1/N2

(4) Draw a flowchart to find the factorial of given positive integer N.



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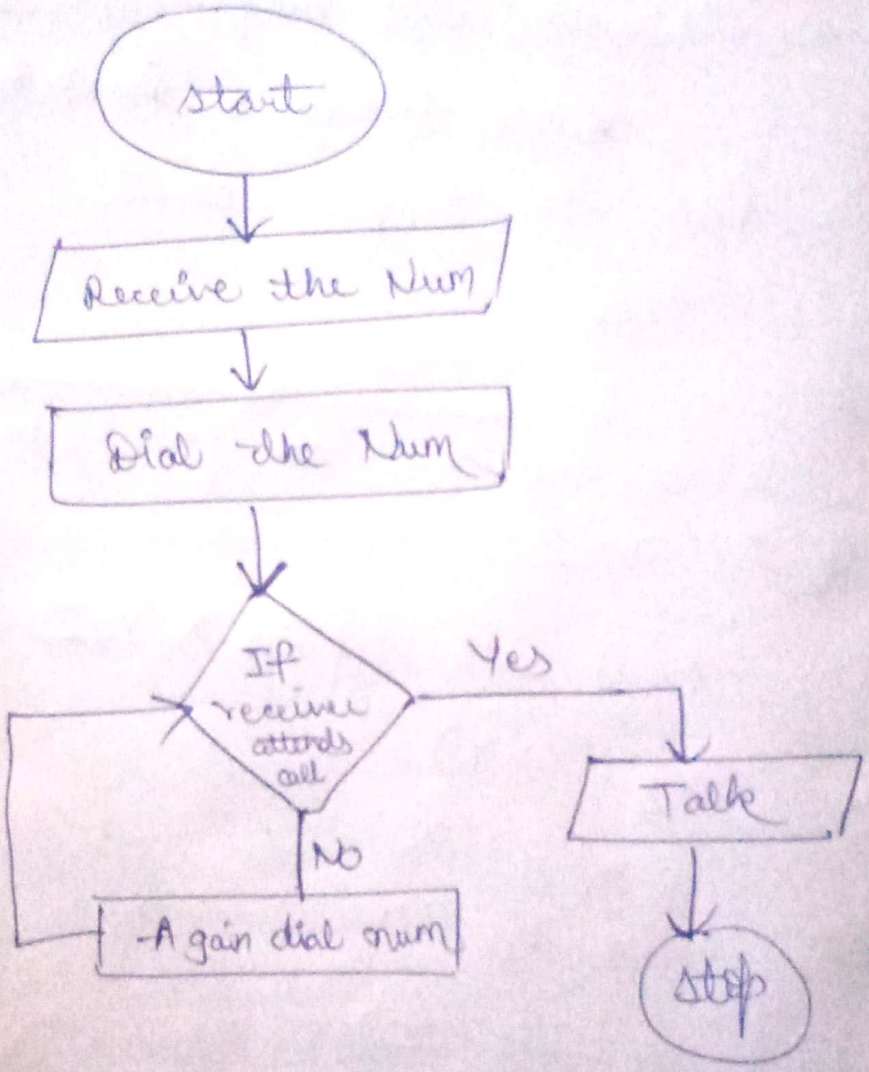
(5) Develope a flaschart to illustrate how to make a land phone telephone call.



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(6) Write an algorithm to calculate simple interest using the formula.

Step (1) : Read the three inputs P, N and R

Step (2) : Calculate the simple interest-

simple interest = (P × N × R) / 100

Step (3) : Print the simple interest

Step (4) : End

(7.) Write an algorithm to find the largest number of X, Y and Z.

Step (1) : Read the inputs X, Y, Z

Step (2) : If (X > Y)

Big = X

Else Big = Y

Step (3) : If (Big < Z)

then print Z.

Else print big

Step (4) : Stop

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(8.) Write an algorithm which will test whether a given integer value is prime or not.

step (1): Start

step (2): Initialize variables num, flag = 1, j = 2

step (3): Read num from user.

step (4): If num <= 1 print "num is not a prime number", [illegible]

step (5): Repeat the steps until j < [[(n/2)+1]]

(i) If reminder of number divide j equals to 0.

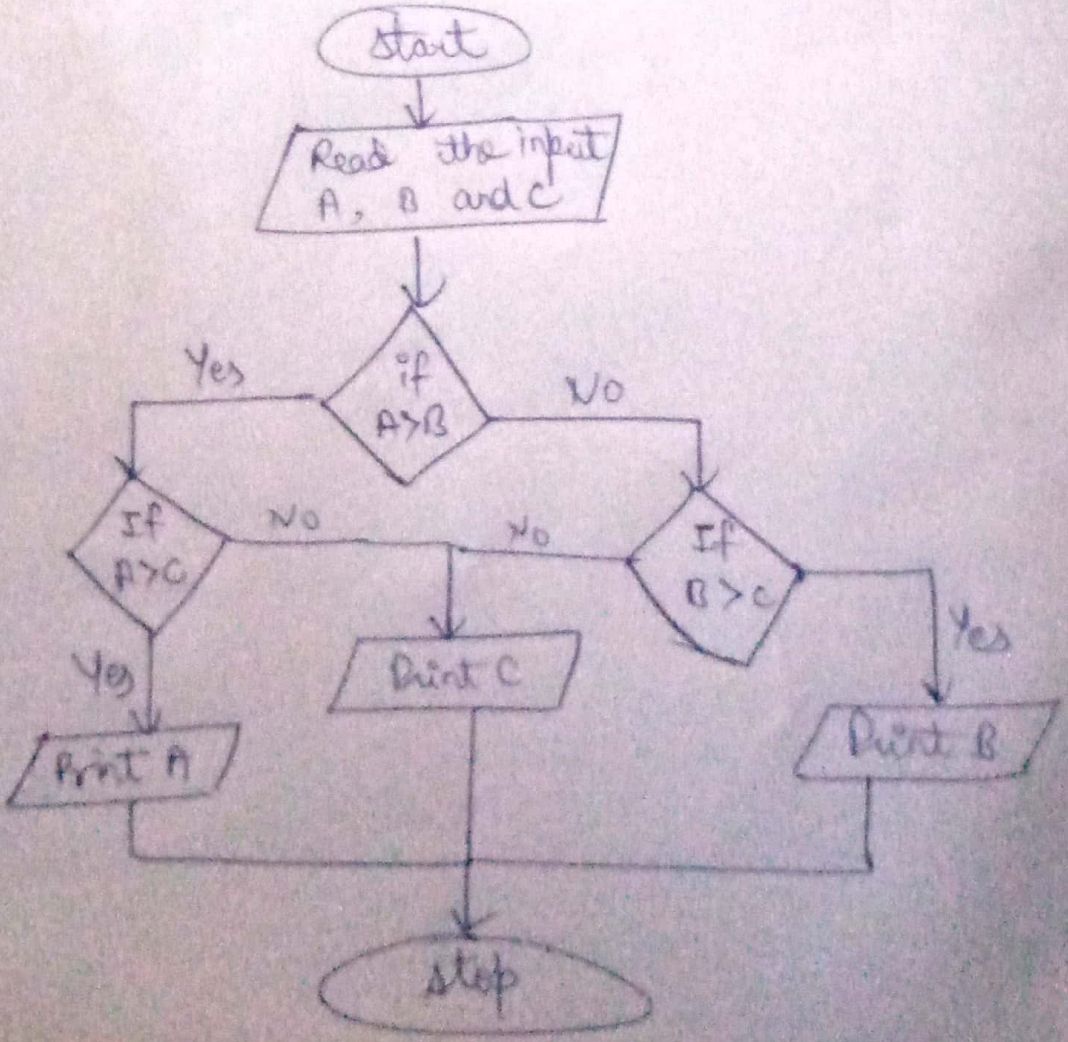
(ii) set flag = 0 go to step 6

j = j+1

step (6): if flag = 0 print num is not prime number else num is prime number

step (7): end

(9.) Draw a flowchart to find out the biggest of the three unequal positive numbers.



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