

ALGORITHM TO FIND NUMBER IS POSITIVE OR NEGATIVE

Step 1 - Start  
Step 2 - Read Num  
Step 3 - If Num is zero , print Zero  
Step 4 - Else if Num < 0 then print NEGATIVE number  
Step 5 - Else print POSITIVE number  
Step 6- stop

ALGORITHM TO SWAP 2 TWO NUMBER WITHOUT 3RD VARIABLE

Step 1 - Start  
Step 2 - Read a , b  
Step 3 - Process  $a = a + b$  ,  $b = a - b$  ,  $a = a - b$   
Step 4 - Print a, b  
Step 5 - Stop

ALGORITHM TO PRINT 1 TO 10 WITHOUT USING LOOP

Step 1 - Start  
Step 2 - Read num , initialize num = 1  
Step 3 - print num  
Step 4 - Process num = num + 1  
Step 5 - if num <= 0 goto step3  
Step 7 - Else stop

ALGORITHM TO PRINT DIGITS OF A NUMBER

Step 1 - Start  
Step 2 - Read n, r  
Step 3 - While n != 0 , if yes goto step 4 otherwise step 6  
Step 4 -  $r = n \% 10$  , print r  
Step 5 - process  $n = n/10$  go to step 3  
Step 6 - Stop