Assignment → 10 Feb

Algorithm to print table of any number

1) Enter number, a

2) Initialise i = 0

3) if (i < 11)
   then print a*i
        goto step 3

4) else print "done"

Algorithm to print sum of a upto n number

1) Enter num, a

2) Initialise i = 0, sum = 0

3) if (i <= n)
   then sum = sum + i
        ~~go~~ goto step 3

4) else stop

\# Algorithm to check if number is prime

1) Enter num, a

2) Initialise $i = 2$, $y = 0$

3) if $(i < n)$
   then if $(a \% i == 0)$
   $y = 1$; break;
   else$i++$; goto step 3

4) if $(y == 1)$
   then print "not prime"
   else
   print "prime"

\# Algorithm to find all odd number from 99 to 1

1) Initialise $a = 99$

2) if $(a \% y = 1)$
       then
         if $(a \% 2 == 1)$
         then print a
           $a \-\-$; goto step 2
         else
           $a \-\-$; goto step 2
       else stop