Hw:- 1) Write algorithm that print table of any number

1) Initillize a number N
2) for $i = 1$ to 10
3) Print res = N * i
4) End for
5) stop.

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2) Write algorithm that print Sum of N numbers

1) Assign sum = 0 and $i = 1$
2) Initillize a number n.
3) If ($i > n$)
   go to 7
4) $S = S + i$
5) $i = i + 1$
6) goto to 3
7) Print the value S
8) End.

3) Write algorithm that to check if a number is prime.

1) Set a variable
2) Initiallize a varible (n)
3) For i=2 to N
4) Initialize count = 0
5) If num % i == 0

1) Initiallize a number (num)
2) If (num > 1)
   For i = 2 to num
      If (num % i == 0)
         Then print num is not a prime number
         Then print i, num // i, num
         stop
      Else Print num is a prime number.
3) Else print num is not a prime number.
4) End.

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4) Write algorithm to print all odd numbers backward from 99 to 1

1) Assign i = 0
2) If (i % 2 != 0)
2) Print i
3) If (i <= 99)
      If (i % 2 != 0)
         Go to step 2

1) Assign i = 0
2) Repeat steps 3, 4 & 5 until i = 99 reaches
3) If (n % 2 == 0)
      Go to step 4
4) Print i
5) Compute i = i + 1
6) End