Assignment

10th Feb

Rutuja .   (Geekster)

Q1) Write Algorithm that print table of any number
eg. 7 ?

Sol) Step 1 => Start
Step 2 => Initialize number (n), the number
          of which multiplication table is to be
          printed. (Ans)
Step 3 => for i = 1 to 10

Step 4 => Ans = n * i

Step 5 => Print Ans.
Step 6 => Go to step 3
Step 6 => End for loop

Step 7 => Stop

Q2   Write algorithm that Print Sum of n numbers.

Soln- Step 1 => Start
Step 2 => Initialize the value of n.
Step 3 => Set Sum = 0.
Step 4 => For i=1 to n   Step 8 => Print Sum

Step 5 => Sum = Sum + i   Step 9 => Stop

Step 6 => Go to step 4
Step 7 => End for loop

Q3. Write algorithm that to check if a number is prime nat.

Sol. Step1 → Start

Step2 → Initialize value of n

Step3(a) check for i's for n²

Step 3 → $X = n/2$

Step 4 → for $i = 2$ to X.

Step 5 → checks $n \% i \, != 0$ (not equal to) then, print n is Prime.

otherwise,
Print nat Prime

Step 6 → stop

Q. write algorithm to print all odd numbers backward from 99 to 1.

Steps → start
for got to to

Step 1 → start
Step 2 → initialize $x = 99$
Step 3 → set Kee print X
Step 4 → $X = X - 2$
Step 5 → check $x >= 1$
then go to step 3
Step 6 → otherwise, stop