

1. Printing Even number until 99.

Algo :

STEP 1: START

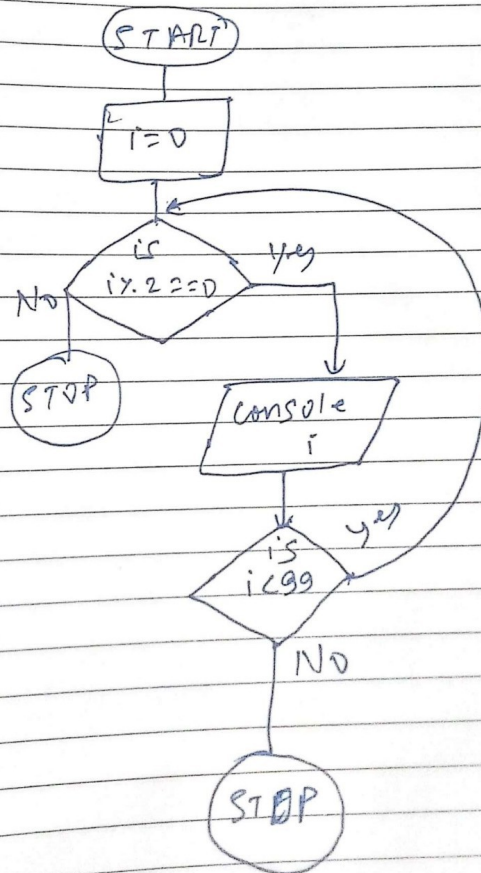
STEP 2: loop from 0 to 99 as i

STEP 3: check if $(i \% 2 == 0)$

STEP 4: if yes console i

STEP 5: Repeat 283, until 99

STEP 6: STOP



Q2. Odd number in less than given range & their total sum & count.

Algo:

STEP I: SET $n=15$, $sum=0$, $i=0$, $count=0$

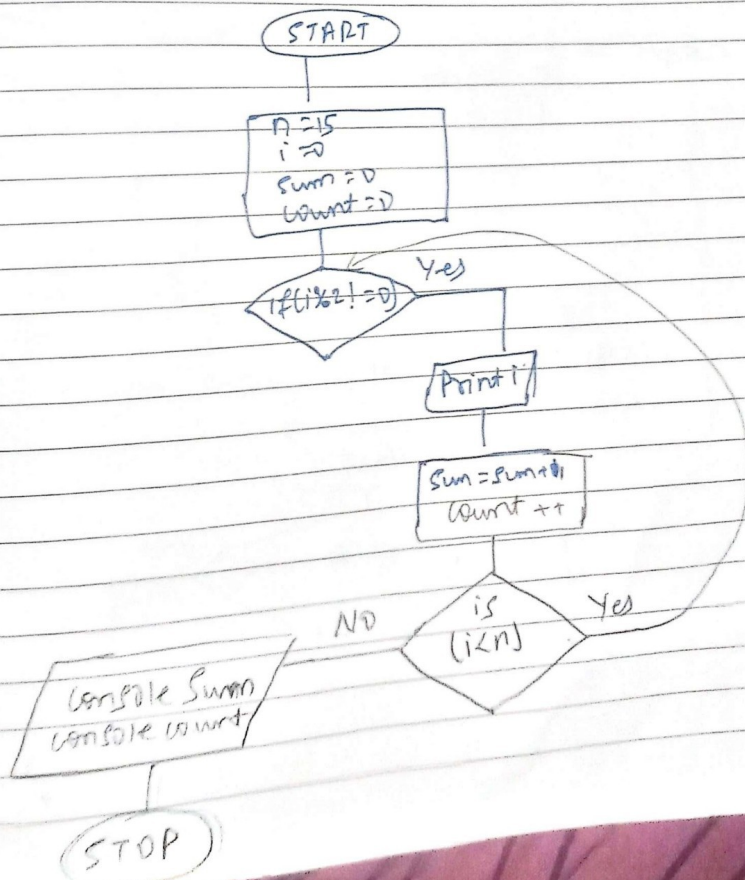
STEP II: while ($i < n$)

STEP III: check. if ($i \% 2 \neq 0$)

STEP IV: Print i , then increment sum , $count$

STEP V: $sum = sum + i$

STEP VI: Print $count$ & sum .



Q.3 → Table of $N!$ (let 7)

STEP I: increment i using for loop
until 10

STEP II: console ' $7 \times \$i = \$7*i$ '

START

$i = 01$

console

$7 \times \$i = \$7*i$

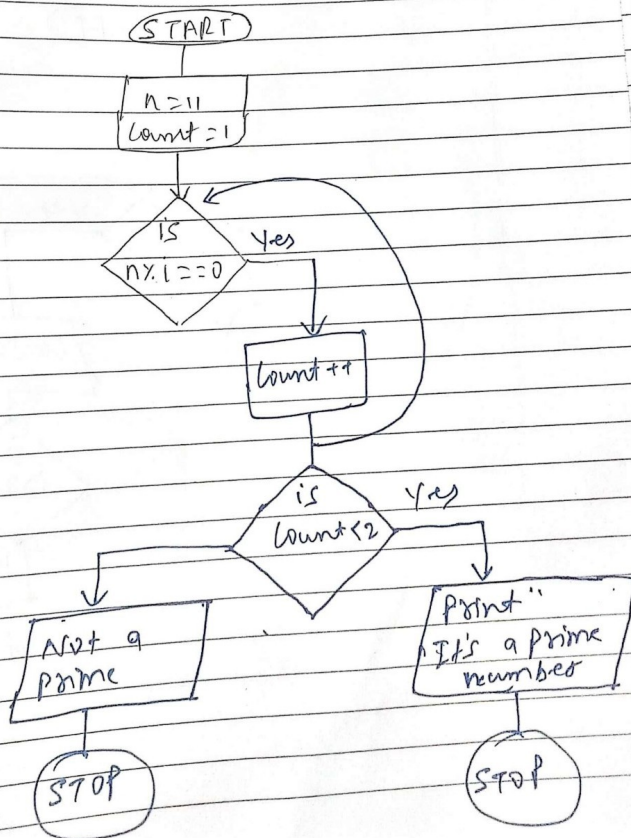
is

~~10~~
120

STOP

Q4: Prime or Not !

STEP I : START
STEP II : SET $n=11$, Count = 1;
STEP III : Loop till $n/2$
STEP IV : check $(n \% i == 0)$,
STEP V : increment count
STEP VI : check $(\text{Count} < 2)$
STEP VII : then print ("its a prime number")
STEP VIII : else print ("not prime number")
STEP IX : STOP



f.) odd numbers backward from 99 to 1.

Algo : →

STEP 1: START

STEP 2: loop from 99 to 1 as i

STEP 3: check if $(i \% 2 \neq 0)$.

STEP 4: if yes console i

STEP 5: Repeat 2 & 3, until 1.

STEP 6: STOP

