Palindrome 243 + Number 342 E Reverse if Number EQUALS Reverse Hon Ito a Palindrome Its NOT Palindrome. Reverse a Number Muraber > 2+3 $2 + 3 \Rightarrow 2 \times 100 + 4 \times 10 + 3 \times 1$ $\frac{3}{2} = \frac{3 \times 100 + 4 \times 10 + 2 \times 1}{2}$ From number take a digit out, one and the digit to the reverse. Divideby Revience 0 2 43 DIV 10 9 R:3 Reverse 3 3

2A DIV 10 > R: A

Reverse 3 => 3×1

34 => 3×10 +4×1

Multiply Reverse by 10 and odd

vernainder dijt

Reverse = $\frac{3\times10+4}{2}$ = 34 Number = 2, 30+4=34

2 DIV 10 3 R: 2

Reverse 34 => 3×10+4×1

342 = 37100 + 4710 + 271

Reverse: $\frac{34 \times 10}{1}$ + 2 = 342

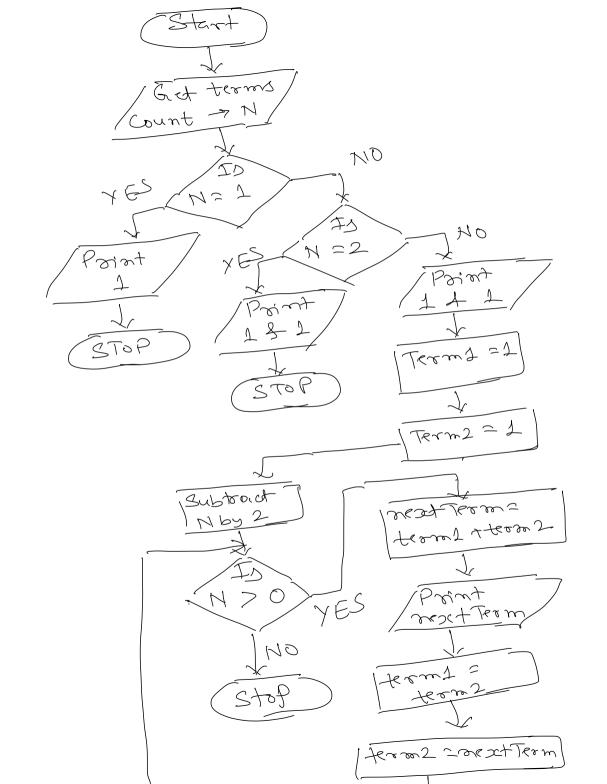
Number = 0 = STOP, comes 0.

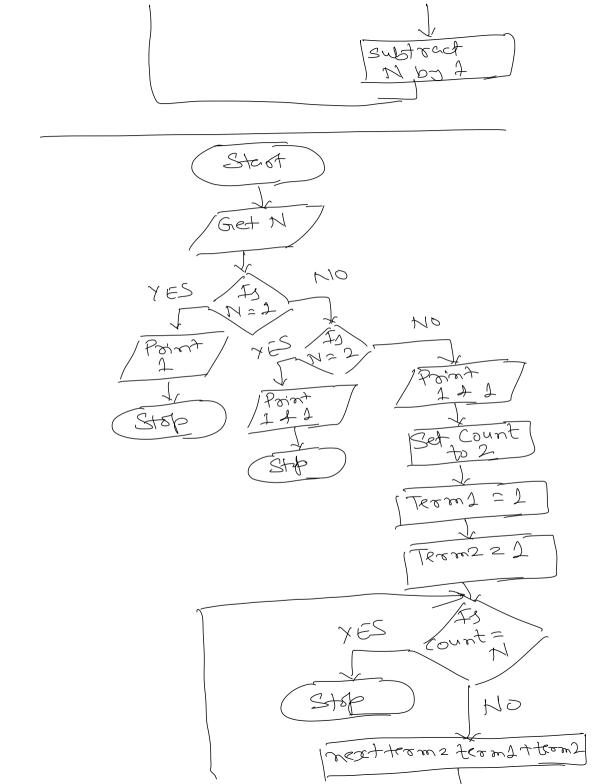
Kerror a Number 1) Got a Number. 2) Set Reverse to O. 3) Reflect following steps while Number is not 3000. (4) Digit = remainder St Musuper DIV 10. 3 Multiply reverse by 10. 6 Add Digit to TRYPROS. 3 Set Number to quotient of Mumber DIV 10. 1234 123 12 4 0 @ S+6. \$ 50 SA SAO SAS 9430 Digit > 8 A 8 7-1 12345 DAY 10 7 R: 5 1 DIV 10 7 Q: D DAV 10 3 Q: 123 123 DEV 10 7 R:3 12 DIV 10 7 R: 2

Fibo Series Revious > 01 = \setminus First term of series = 1 Second term of series = 1 Third term of series - First term 4 Second tom = 1 +1 =2 Four the term = Second term + Third term 21+2=3 Fifth term = Third term + Fourth tem = 2 + 3 = 5 Sixth term: Fourth term + Fifth term = 3+5 = 8 term 1 = 1 term 2 = 1 ned tem = tem 1 7 tem 2

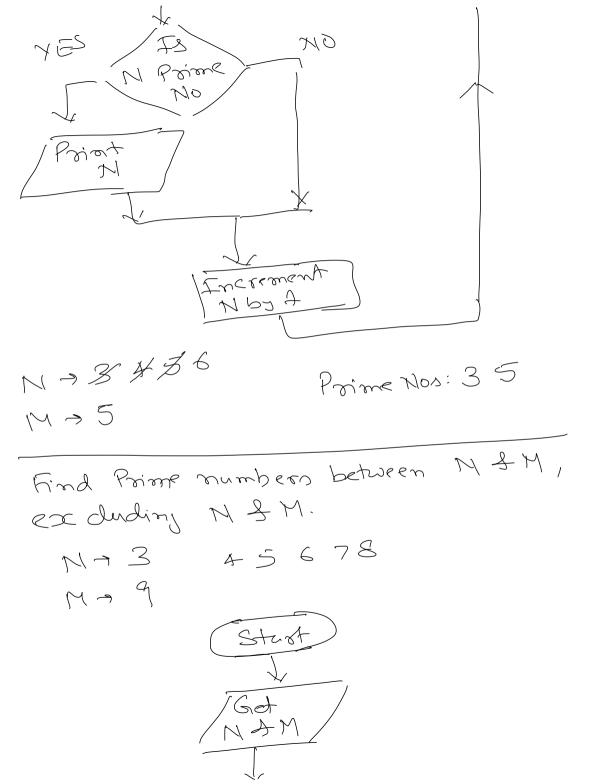
Mumbro > 10

rest term term 2 teom 1 term 1 = 1 tron 2 = 2 next Term = term 1 + term 2 = 1+2 =3 nestherm team 2 term 1 term L = 2 term 2 2 3 nest Term = kom1 + term2 2 2 +3 = 5 term 2 term 1 3





Point next Term term 1 = term2 term2 = next Increment Count by 1 Find brime numbers between two footive witegers N & M, including N Start Get N&M 40 MOYES $\mathcal{D}_{i} \subseteq \mathcal{D}_{i}$



Exclude Increment
N by 1

YES II Exclude N 10 M<M Stop GY. N Prime N0 Point Increment

 $N \times M \approx M \times = (M-1)$

Revirse Sum S	a number	} P	ositive 1	Jumbers.
'	Number?			
1 Gd 2 if 3	Number Number Make Ne Positive.	gative	Mumber Mumber	wito by -1.

C Program ming Language Standardo - ANSI K&R C headecumin ANSI C K Languege C99 Compiled Inter ported C 1 1 Ennbeded C Linux => gcc 1 Soucre File & Contains Program Statements Conrects Corepiter & Syntax Error woither in a peolean mind Language to Machine Code Linker Linker Error Executable & file that we run

Logical Compilation S 20007 Rogeam not maxish on expeded. (compiler Object File N. NRed Brecitable file Soura code Compiled Languege -> Compile Executable Execute Interpreted Languege - Source code Each statement is toanslated to machine code & executed.

C Program] > Is a sequence of vistor dions / statements Statements are grouped together as functions. Ersed a beodecu oil pare function called Enter point of prosocu. is case sensitive language
"main" duft "MAIN" - Reywords = having predefined Layurge => 40 partern some a oferctors sper ations

Freturn 0;) > Exit code of program Reywords types that can be dota types used to declare 1000 able. Mt = integer Stoces value. Char = Character > 12ed numbers unsigned] signed / Unsigned value. signed short] - modfiem # widnde Sotdio.h int maine) } Brint (11 --- 17) header file