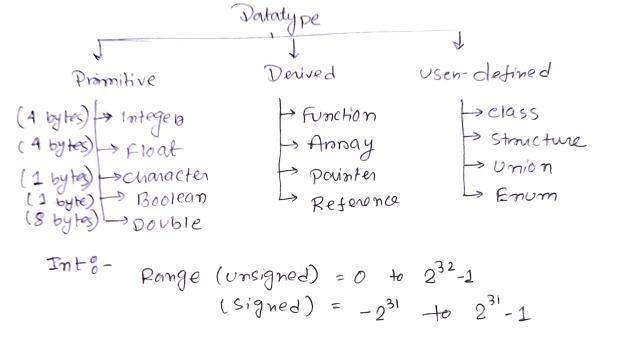
## C++ Programming Language

## DATATYPE 3>

variable -> varies values anytime in blw the Program.

Constant -> value Constant.



Header + Hinclude & Station > execution of Code begins.
include. int main() ? -> execution of Code begins.

cout <2" Heno worold!" <= end1;

roeturan 0;

output

Print

int hello;

from user.

IF- EISE 07 If (Condition) & If (Condition) 3 Statement.

el se if (Condition) ?

Statement; Statement 3 else E Statement erses Nested Id-else!-If (Condition) & It (condition) } # Program-1: - Find Max blw three numbers. (by using If-else) # program-2:- Find even-odd numbers.  $(n1.2 = 20) \rightarrow even$ neither sodd. LOOPS 3 FOR - LOOP :foro (initialisation; Condition; update)} Procedure; # Proogram-31,n numbers. Sum upto

While (Condition is time) & 11 body Do- while Loop !alo 9 1160dy Zwhile (Condition); (Minimum one execution will happen) BREAK & Continue: Continue -> Skip to the next iteration. brocak -> terminate a loop. # Program-4! - Print all the numbers upton but which o is div by 3 then not print # program-5:- Find If n is a prime number on not. # Proogram-6:- Print all the prime number given toange a to b. Poime Numbers! which numbers are only div by 1 & those own numbers. Soro Cint i=2; i < n; i+t) { if (ny. i = =0) { Cout 22 " Non prime"

WHILF LOOP !-

SWITCH - CASE switch (button) break; Cerse 2: break; Case 3: 11 body break! desault: N body ; # Program-7: Make a Simple Calculater. OPERATIONS :-Aroithmete Operators & Bimary operators +,-,\*,1, 1. Inchementan Post-Inchementalatt Pre-Incrementar (++a) a=10; b=++a; a =10 b=Q++; 6=11) b=10

2. Relational operators

between bool value.

belation blw two operads.

## Solve Any Pattern; > (kunal khuswana)

How to approach

- Cols 1 hong 2) Run the outer for Loop the no of times you are having the lines (nows)
- (2) Identify son every now number, \* how many are there \* types of elements in Col.
- 3) what do you need to print.

kunal knuswaha An Parteron Buestion.

Program -15: Reverse a given number n. int No int peresse no = 0; while (n>0) 9 int hastdigit = n 1/10 ; neverse no = neverse no \* 10 + neves last de m=m/10; Program-16: - check a Armstrong No. Sum of the Cube of the digit is equal to the number. Functions ?> functions is a piece of Gode. neturn-type functionName (Parameter, ....) { function body Program- (7: > Print all Fibonacci Series. term 1-1

Program - (7: -> Print all fibona CCI Series

term 1 - 1

term 2 - 2

term 3 - 3 (2+1)

term 4 - 6 (-3+2+1)

mexterm = t1 + t2;

t1 = t2;

Program-18!- Factorial of a number.

t2=nextterm;

 $m_{i} = m \times (n-1) \times (n-2) \times -- 1$ 

program-10:- Calculate non & mpro.  $u^{Cb} = \frac{u(u-u)}{u}$   $u^{b} = \frac{(u-u)}{u}$ program - 20! - Pascal Triangle. term = icj 1 331 1 4641 Program - 21:- Pythogoram Triplets on NOL. 2,7,2 Let a = max (n, y, Z) then, check property, max = other sum of Ane Square. Program - 22:-Binary to Decimal
Octa to Decimal
Hexadecimal to Decimal. Decimal to Binary

Octar to Binary

Hexadecimal to Binary

Decimal to Octar

Decimal to Hexa-deciman

Theit's some problem.