Check if a number is prime. 18 -> 12 3 6 9 18 Fer number no Chech if any number from 2 bo no perfectly divides no. remainder = 0 If we find even one number that perfectly divides no then no is not frime.

Print numbers from n down to 1. いか かり N -> 321 0 Tead no %: 32 1 while (n 7=1) { write n; n=n-1; Decrement 3 unary Incre ment Speoclors. ++ no= no+1; w = x-1, -- n; < Pre decrement ++ no; < pre in crement

n --; Post decrement nott. E Post vicrement n = 5 no = 5; 1, -> no= 5 6 value = 4 Value of eschrusion! >> 6

expression! => new value of | when fre operations
operand. I's used.

n= 5; no = 5; 204+; Value of value of expression? =) pld value, of Sperand.

value of sperand before Speration was proformed.

$$x = \frac{1}{2} + \frac{1}{2} = \frac{1}{2}$$

$$x = \frac{1}{2} = \frac{1}{2} = \frac{1}{2}$$

$$x = \frac{1}{2} = \frac{1}{2}$$

Value of Phis? => value of variable. Tead no n - 3 2 A O %: 32 L n=n-1; In condition -> (=> fulse -> non-0 => tone.

a positive number; Stol: court << " Enter a fositive number: "; Stolin >> no; (mo < 0) { stol: cool << "Invalid imput"; return o;

Std: cout << "Enter a positive number: "; std: cin >> no; alile (no <0) ? Std: cout << "Enter a positive numbers: 2 8td = cin >> no;

Do-white Into do { ahile (condition); ion to do ? Std: cout << "Enter a positive number: " Stolin >> no; 3 while (no <0);

for loop & top tested.

For (past 1 ° Condition & past 3)

Statement / statement block がナ かい mt n; Tead ni for () >= 1; ++ m) while (n >=1) { write n; write n; Statement カーカーシ that sets writing variable (s)

Losping randole -> vaniable (s) used in condition, that are changed in body of lorp. ア ナジ read m, int no = 1while (no <= n) 5 std:: cont << no << ' ++ No;

wit n; read ni int no; for (200 = 7; 20 < = 2), 4+20) std: cont << no << ' '; my n; MO= no+1 read ni for (wit no= 1; no <= n; (++ ng)

std:: cont << mo << ';