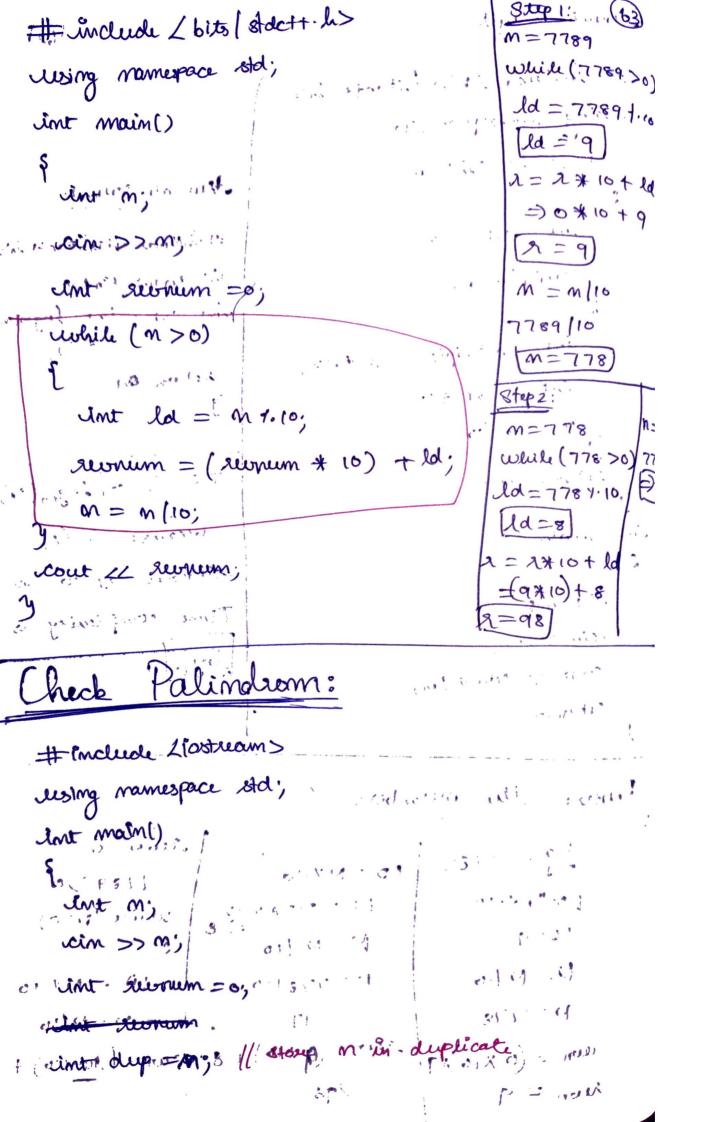
Math Concepts 3 asic % => remainder / => Quotient 5/10 =>77 4.10=>7 G/10 => 74.10=>7 (ount Digit: # include & bits / stole ++ · h> using framespace std; int countaligit (int m) " you willie!" - Act Proposition & . int countdigit = 0', while (n bo) gold lar about? lastargit = 01.10; countaligit

(2) Mount loligit: # include / bits / stact+ . h> " in ... 1 1, using namespace sta; int count (int m) Alternate Methodis int .cm = 0; # Enclude Lbi to / Stact 4/2 while (m>0) int want (int m) unt cut = (int) (log10(n) int lastdigit = m 1.10; return out; cont = one +1; m = m/10;TC => o(logio(N)) return ent. because it (1) int main () divides by 10 30 that me Time complexity is cim >>m; cout << count (m) returno; Reverse the number. 7789 LD = NY110 7789 70 LD=1 4.10 LD = 7784.10 while (N>O) LD =9 N=N (10 レニル110 U=778110 : 1 11-10 = 104.10 アニファの -77 · MINE CHILD al + (oixent) = mer (oix p) = me Per = (0 x10)+9 -)98 Non = 9



1 while (MDO) int ld = my. 10', runum = (zevnum * 10) + ld; m = m/10, 4 if (dup == revenum) cout 12 "Palindrome"; else cout << " Not"; Asmetrong Number: number is equal to the of its own digit cute. $153 \Rightarrow 1^3 + 5^3 + 3^3$ =) 1 + 125 + 27 =) 153 # (molude / tostream> While (N >6) using namespace std; int main() sum = sum & (ld * ld * ld) (N = 10 (10) . " (10 'a) Int ng ~ >> m; Int tump = "; 417 100 int p = 0;

while (m >0) m 1.10; P = P + (rem * rem * rem); m = m(10) Pf (Temp = = P) cout << " trimstrong No"; else return o; Print all Division: 36 => 1, 2, 3, 4, 6, 9, 12, 18, 36 Time Complexity => O(m) (No Plat & Mile was ar # include / Postream> using nomespace std; word printdivisor (int n)

3 (m 7. c = = 3) %. int main() wint in; aim >> m; Printolivisor (m); setum o Alternate method: Using vector. # include / bits stac ++ h) using manuspace old; word Printdivisor (int m) foi (int c=1; (*12=m; (++)) if (my. ==0) To find factors lo. push back (1); {ig ((m/18) 1=1) ls. push-back (n/i);

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(Sort (la. bigin (), la. end()); for (auto it: ls) cout 22 et 22"; int main() int no printalicison(n); Return 0; Trans file Prime Number Checks:

number divisible by I and itself. It exactly has 2 factors Hinclude Lbits / stact 1 h) using usino namespace std; int main() int no, vaim >>m; Int cut =0; for (rmt == 1; (* 1×1×= n; (++) 0) y (-3(1)!=1) of ((m11) 1 = 19) con ++;

If (our = =2) cour $\angle Z'$ Prime!; y(8) = 0

(2) GCD (Greatest Common Divisor) Het Highest common Factor) Find the lighest common footor numbers. GCD between 36 and 60. G1CD & B6,60 = 12/ Euclidean Algorithm: 9 cd (M1 , M2) =) gcd (M,-N2 , M2) where Mi>M2 : 200) ji - 1 - 1 - 1 - 1 - 1 - 1 thank, " we was

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