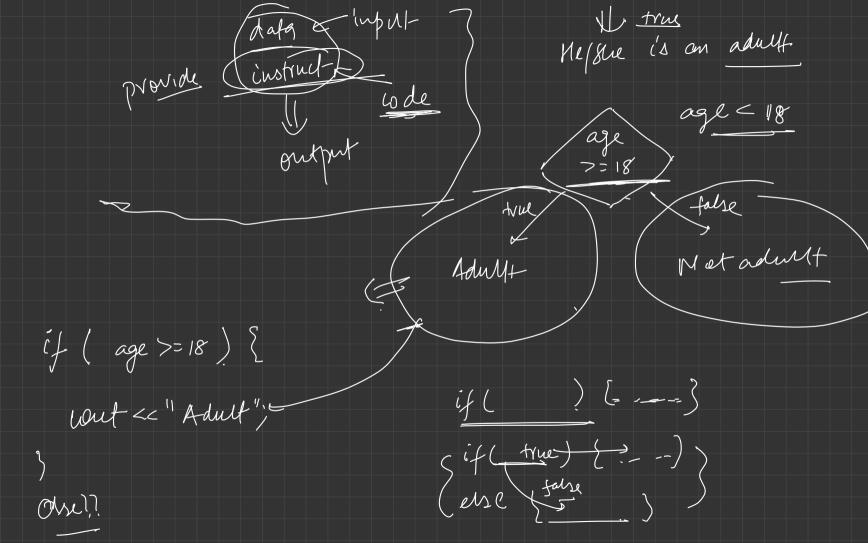
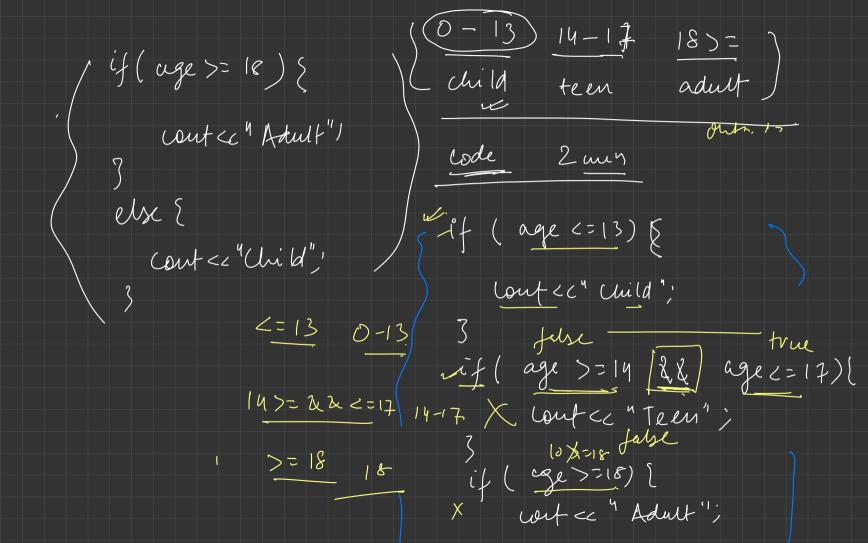
Conditioneds Hesting of loops. loop 25 Loops. ? levery 1 when do something based on some andifion inpu input an integra Condi fi if (condition) & (fell whether the person } (is an allul-? s) Use { w age >=18 3 (adult)





if (age 2= 13) if, else if, else Cont < " Chi'ld") (5, 16,17 be wones true (age >13.) (else if (age <= 17) 'groveg. Coul < c" Teen" 18, 19, 20, Cont < c " Adult "

Take as input marks of five subjects. Calculate the percentage and grade according to the given conditions:

If percentage < 40% : Grade F

If percentage >= 40% : Grade E

If percentage >= 60% : Grade D

If percentage >= 70% : Grade C

If percentage >= 80% : Grade B

If percentage >= 90% : Grade A

Break Hy 9:3T

a:30 if-else

Coops & patterns

(1) Take input and then calculate percentage.

S subjects

int S variables adulate

3) percentage Determine the grade 240 : CD >= 70; C >=40; 5~ >=80; B

>=90;A

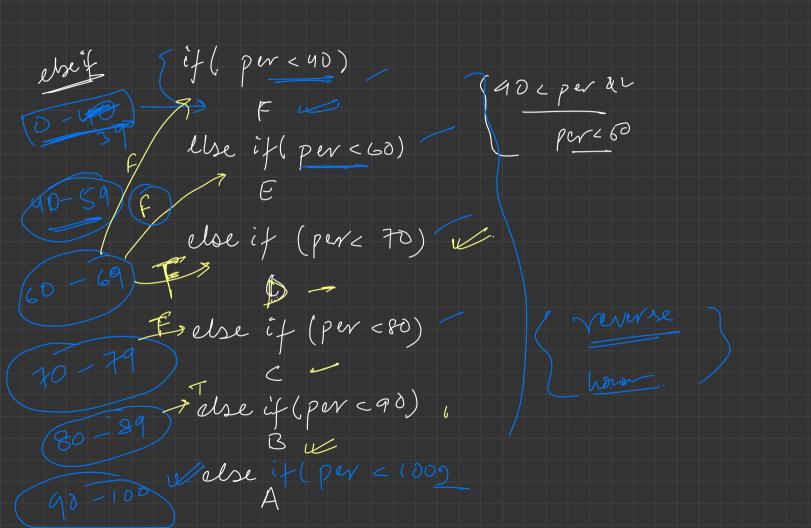
>= (0; 0

Check Whether gradle if f if (pay < 40) { cat « grade f"; else & grade E, D, C, B, A (per >= 40 » sure if (per < 60) & contec "agrade E") else { per>=60: D, K, B, A.

(if (pw 270) {)

cout <2 "grade D"; 11

3
Use pw>=70:



Loops

for

while

condition

updation repeat while this repetition Print nos. from 1 to 100 int i=1;//ini/ while (ic=100) { // condition 2. (cont < = i;) i=i+1; // i++, i+=1. / updation Ч.

```
for (int; condition; updation) {
               work; repetitive work
for (int i=1; i <= 100; i++) {
   cout << i;
```

50 I times re Segence of 8) yours

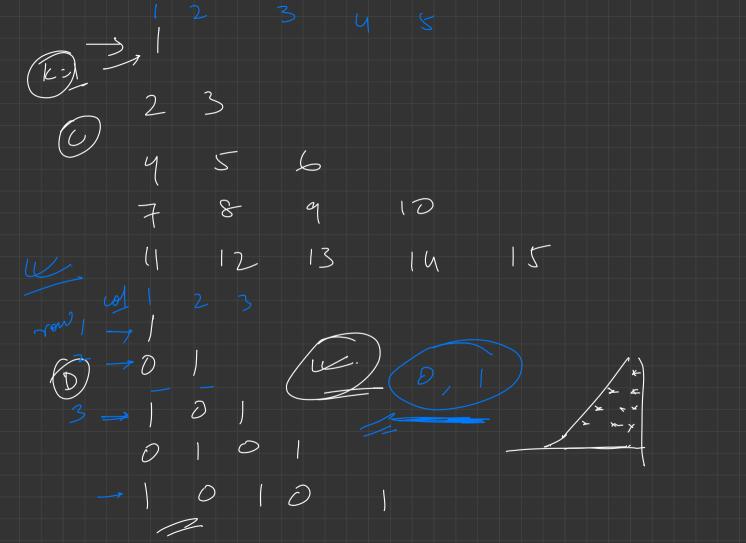
colpi 2 (int is 1; ic= 12; i++) (cout << "; vous cols - for (i=1; i== Yows; i++) { (D) linear 3) nestige for (j=1; j== cols; j++) { Cout << "x"; Cent <= end; 11) - 21) Benefi

Tow end row 3

ablitude

Q. xx x y printfor (i=1; i <= row; i++) { } forlj:1; j<=i; j++){ 2 (out <= " * ") conf << enell; dontst ?? (b) -> 1-2-3

-// (2) (3



1234567if (xin) 1. 2 == 1) { odd 101010901--if(j1.2==1) } odd Cont = 2" ";

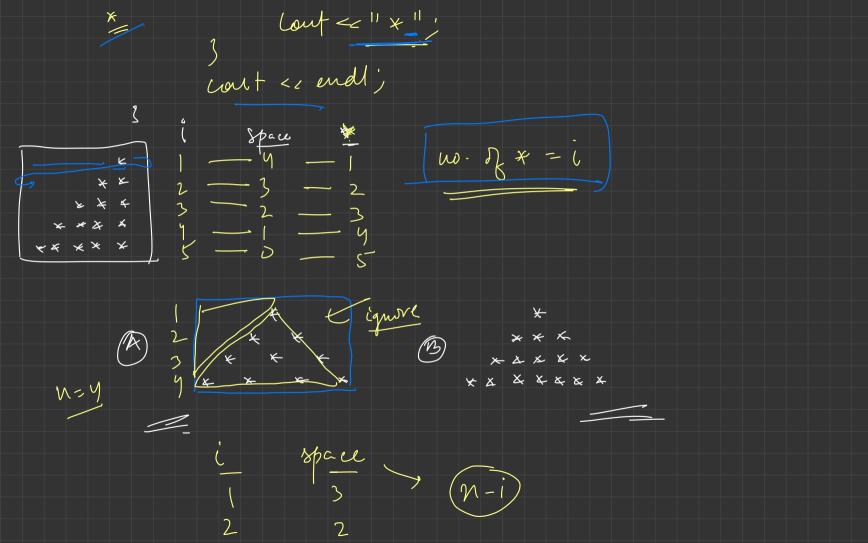
Use { cont = 2" D"; }

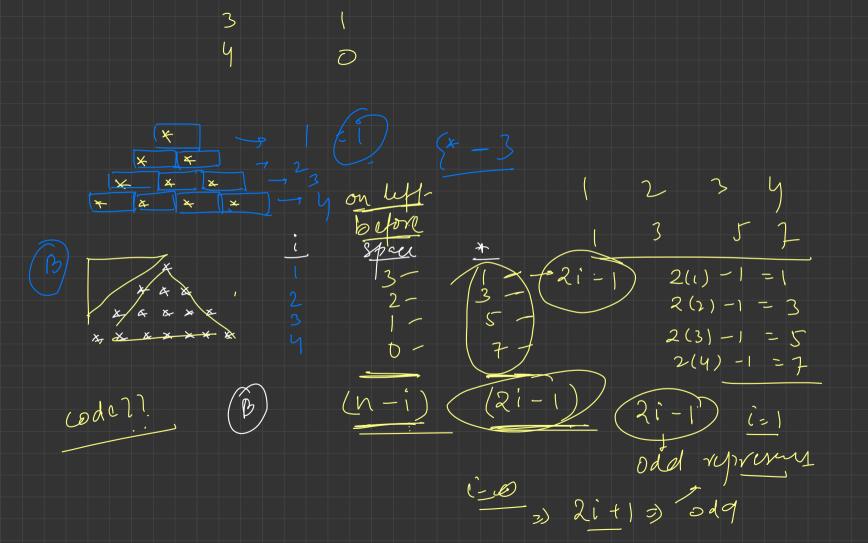
else { // ever col | 2 3 4 5 6 7 8 4

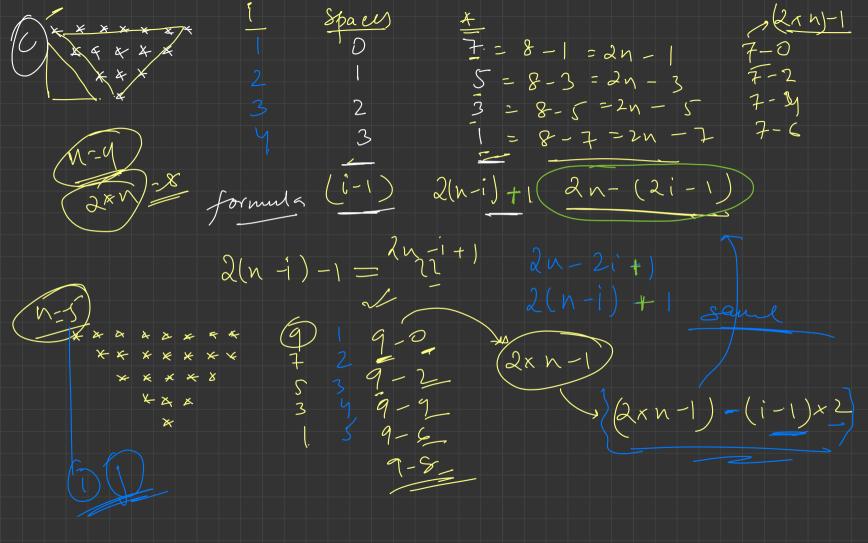
else { // ever col | 2 3 4 5 6 7 8 4 if(j1.2==1) [1/6 xd cont = = "0"; else { contec"!";

i + spaces = . 1 output Ohow many spaces & m. } roms = N for each row! 20 - 1 >> &paces) for each vow no. of cols = m for (i=1; i<= N; i++) { for (j=1;] <= n-i; j++) {

cout << " "; for (j=1; j2=1; j++) {







for (j=1; j <= n-i ; j+t) { cout < < 1 ; confec end); Guer partfor(i=1; iz=m; i++){ for (j=1; j = i-1; j++) {

Cont < 1 1. for (k=1; k 2= 2 (s-i) +1; k++) { Conf < 2 | x '; Cout 2 c end/

don in-A765 int x=65; B766 67 98 C799 C>67-Cout << n; > 58 box chan c = 12' contecc; > Z world << (mr) Z >) 90