CHARLES A

Siddasth	DATE 12/09/25
	Competitive cooling.
1.	A function accepts 3 parameters 'r', unit, houses, 'r' is a tre
	integer, unit is a tre houses is a tre integer array.
	'i represents number of rats present in the city unit
	represents the amount of food consumed by each rat
	- Hour its element in the houses represents the amount
	of food present in each house, comma Hexing all the rats
	in the city, start consuming the food right from the
	first house return number of houses sufficient for rate
Krone .	in thomas of God.
6 (J-=	8 = 7, $usnit = 2$, $houses = [5, 3, 4, 6, 7, 1]$
	loitiai
	int count nhouses (int writt int houses (1) 5
	if (x<01 unit<0 thomas) &
	couter Not a Valid input;
	E returning the land
	· Tals - Lowe I Caral Indicate mario
	into; (++1: arisesi rasi hailani
	for Line 100 100 100 miles
	#include < iostroams
	using namespace ald;
	int count or houses (int x, int unit, int houses 7, int 2) ?
	if (x<0 1 unit<0 1 x<0)9
	cout " Not a valid input";
	· return 0;
	Bullian alijans
	int count = 0,1
	int total= r * unit;
	for (int 1=0; kn:1+t)?
	if (total >0)>
ECES	total -= houseslij, milar
	count +t;
	3

return count; int main () ? int all- 75,3, 4,6,7,13; ind h= countrhologs (7,2, a,6); count <h; 2. Take an array and move all the zero's to the and of the array without changing the order of the initial oxyg. 1 + included of years using namespace std; int main () ? int and 1 = 35,6,6,7,0,9,0.43; int size = size of (axx) / 97e of (axx(6)); fox(int i=0; i=size; i++) cout axx[i] a" LL: contrend; int count=0, temp=0; for (int i=0; i=9/2e; 4+1) fox (int. j=0; j < size-1; j++) if (0xx[j]==0)7 tem = arriji; axe[j]= axx[j+i]; assistil= tem; for (int i=0; i < size; i+t) cout a axx[i] = 'It" contaends; return of the land

Siddarth.	DATE 18/02/25
Siddon	Competitive Coding
1.	Write a function to return 1,0,00 angrams check
	whether the two words are anagrains
=	
	Paragram is a state of strings where character ount
	of words is equal to the character count of
	word 2.
	Eg. Character count of a in word is A 6 in word 2 is 4
	#include = iostram>
	using names pace std;
	int main () §
	String 91 = "abboon;
	String 32 = 'apaba'; 't arestr
	if (s1.size() != 52.size()) 9
	coute o, seturn o;
	E in the second of the second
	int i=0, n, j=0, x=S1size(), tch, count=0;
	for (i= 0; i<2; i+) 2 magnetic
	tch = \$101; when the Union the
	count=0;
	Pos (int 'j=0;j-2',j++)
	if (tch==se[j]) count++;
	for Cint 1=0; jc2; j+7)
	if (tch == 51[j]) count; if (count!= 0){
	The second secon
	cout 4 o";
	Zeburno;
	?
	confee,1;
	return 1;
	3 SECOLO 1

2 Display the count of occurance of each character in a name = #includes igstream= using namespace std; int main () § String 31 = "BayreshlaPai"; for (int i=0; i< 81, size(); i++) ? char ch=81[i]; int count = 0; for (int j=0, j < 31. size(); j++) } if (ch== SI[j]) country; coutessijen." « count « ende; return 1; 3. Sum of the digits present in the integer. = #include = iogtream= using namespace atd; int main() 5 int n= 111, gum= 0; while(n!=0) (of (Fut i-0; n!=0; i+1) } Sum + = (n %10); n=n/10; mina cont & suso; return o;

	DATE 14 /02 /25
[8]	foo(10d 1=0; i<5izeI; i++)
	cout < b[i] < '\t";
	3
	int main() ?
1	10d a[]= \250, 10, 20, 30, 403;
	isof N=II;
9 1 4	Int sizes = size (a);
	Print Rotated Array (9, 7, 9izes);
	Street with the state of the balance
	make I be a second to the D.
3,	Find the last element of the triangle of size in where
3.78	the first element is a and the next element is the
	sum of the previous two elements from the column of
	the previous column except the first column whose the
	elements are the bot element from the previous row.
=	#includo < iostream=
	using namespare sold; the many and
	int man() \$
	int n=5a[n][n];
•(a [o][o]=1; 1) Anny contraints the branch
	for Cint i= I; i< n; i++)
en situ	2002 Am 1 for (int j=0; j=i+1; j++) inches
20,20,00	$if(j==0) \alpha[i][j] = \alpha[i-j][i-j];$
40.7%	else alij[j] = a[i][j-j] + a[i-j][j-j];
	cout « a[n-1][n-1];
	ξ
4.	SQL quesies.
	create table students(
	id int primary key AUTOINCREMENT,
	student name vaschas (20),
	masks INT

z	insect into students values (1, Sachin, 89), (2, Rahul, 75)
	(3, 'Shorithi', 85);
~	and the standard of the standa
	display the last inserted id without using aggregate func select id from students and ex by id desc limit I:
	display the student hame with the marks greater
	than any class some the most though
	Select student-name from students where marks>
	(select avg(maxks) from students);
W. Township +	and the local state of the last the state of
alt n	display the Students whose admission is done
& senil	create table admissions
adl n	id ist primary key, a warrang attack
word hid	student - id into mal at an direction
	ad no int, marker shipping the
	FOREIGN KEY (Student_id) REFERENCES Students
) 3/ Marc dai
	· [[][[s]]]]
	insest into admissions VALUES (1,3,123), (2,2,234);
	faction to the court
	select student name + from students, admissions where
-	Student_id = Students.id;
	Alleria de la la la colonia de
	$\frac{(1-3)(1-3)(1-3)}{(1-3)(1-3)} = \frac{1}{1}$
	Ment 102 s
i e i j <mark>- e e</mark> g	Determine able to the serve of
	TABLED TO AND AND THE REPORT
	. (no) so lover and I also
	AN Olivera