the state of the s WAP to calculate 9CD/MCF of two integers: (1) voing iterative truch ii) using reunsine truct. : No 11 (196/4 196/11 11) #Include ziosmam> voing namespace std; int gcd-itt (mt m, int n2)? int nct; if(N2>N1) 9 int tump = n2; 1 (011) 1144 n2 = n1; n1 = temp; ill - . - 1 vardiding . The for (inti=1; iz= n2; it+) { if(n1201 == 0 & x n2 % i == 0) } ncf = i; return het; int gcd-reclinta, intb) { if(a==0) { retumb; } if (b==0)} return 9; } if (a = = b) } rehm 9; } if (a>b) ? gcd_rec(a-b,b);? rehm gcd-rc(9, b-4); int main() i int 9=5, 5=6; cout 22" GCD using itteration = " << gcd-itt(q,b) exendl; cout ex 1 900 umy fecurion = "ex ged - xe (9,6)ex endly rehm 0; 3

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Tn-eisovus0.1p4' '--stdout=Microsoft-M
--dbgExe=C:\msvs64\mingw64\bin\gdb.exe
GCD using Itteration = 1
GCD using Recurssion = 1
PS T:\KIIT\DSA\DSA LAB> ∏
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wat to find out the sum of a elements #Indude ciostream? using namuspall stol; int sum-rec (int al7, int n) ? 1+ (u == 0) setum 0; return (sum-rée (9, n-1) + 9 [n-1]); int main() { INT ar [5] = {1,2,3,4,5}; cout << " svm = " << svm-rec (av, 5); - return 0;

```
--dbgExe=C:\msys64\mingw64\bin\gdb.
Sum= 15
PS T:\KIIT\DSA\DSA LAB>
```

--5 LUOU L=PILCE OSOT

TII-3 |Z1 @eeu • T3V

WAP WHU a truch that takes time vornable (9, b, 1) as call by reft. parameters and notates que valves stored so mat value a goes to b, b to c and c to a. Hindude <stdio. 4> void swap-ptr (int la, int lb, int lc) i int temp = b; b = 9; c = temp; int main()} ma = % d - mb = god mc = %d m int a=10, b=3, C=7; printf (" before swappind: Ma= god, unb = god, vic = god, a, b, c); swap-ph(a,b,c); return 0;

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TIL TEGITION & COLL
Before Swapping:
a = 10
b = 3
c = 7
After Swapping:
a = 7
h = 10
c = 3
PS T:\KIIT\DSA\DSA LAB>
```

with to display values in reverse order an integer array using pointer. #indude < i0 stream> voing namespace std; int main() } int on[5] = {1,2,3,4,53; int *p = NULL; p= ov; for Cint i=4; i>=0; i--)} cout << x (p+i) << "; setum 0;

CS Scanned with CamScanner

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--dbgExe=C:\msvs64\mingw64\bin\gdb.ex
5 4 3 2 1
PS T:\KIIT\DSA\DSA LAB>
```

was to store in elements in an array voing DMA and prit the elements voring pointers #indwde ziostreoun> voing namuspace std; int main () } int u=0; cost 20" Enter no. of elements: "; int *p = (int *) malloc (n * size of (int)); conter" lusufficient memory ""; return 0. coste " un Enter value of Army"; for Linti = 0; 12 n; ++1)} ciu>>> p[i]; cost 20 "in Elements in armay are: "; for cint 120, 12m; i++) { contecp[i] << " "5

4

```
Enter no. of elements: 5

Enter Value of Array: 3 4 0 9 1
```

--dbgExe=C:\msvs64\mingw64\bin\gdb.ex

Elements in array are: 3 4 0 9 1
PS T:\KIIT\DSA\DSA LAB>