Even or Odd. Input s- 1 10 solve all ager stime the value of n': 12 Output given number 23 vist odd Sum of 50 numbers Input: Enter the Value of 1:50 output :- " crossmoss with a worker. The Sum of 50 Aumbers is :1275 Sum of Even numbers Using White Loop? Input: - Enter the limit: 50 Output: The Sum of Numbers 1 to 50 is 650 reverse a given Number. -nout: Inter the Value of n = 3456 Output 5- The reverse of a number is 6543 Check palindrome. Input: - Enter the Value of n = 121 . Output :- The given number is Palindrome

Check armstrong or not Injout: - Enter the value of n = 371 Out put :- Given Number is armstrong Hactorial of a Number Ind Input: - Enter the value of n= 5 Output: The factorial of a number 5 is nter the value of missi (8) Tactorial With recursion? Jugar Injut; Enter the Value of n = 5 Output: The factorial, of a Number 5 is 41 Aibonacci Series. 9 Input: Enter the Value of n:5 Output: Libonacci Series: 01123 Fibonacci Series Using recursion. Input & Enter the Value of not Olp: fibonacei Series : 0 1/1 23 the solution the Value of the

or radored map will a tradell

```
Day-2
     To Bearen particular Element in a list
    Using Linear Search?
    I/p: Enther the number of Elements in
           an array :5
         Enter 5 Numbers
             to Marge while arrays
   Olp: Enter Number to Search : 3
          3 is present at position's
   To Search an Element Using binary South?
   Ilp: - Enter the Size of array:5
        Enter the Element:
          a polyrely source passes well
  Olp: Enter the Element to Search: 67.
  67 is stound at positions
    To Cat Sum of Element in an array?
   740
```

Ilp: - Enter the size of an array 5 Olp: Enter the Elements dooned to redice of the reday The Sum of an array is is To Merge two arrays I/P: - Enter the Size of first array :3 Effter the elements: Non yound said Immed in direct ENTER the Size of Second array. to de 45.8 and mind. Enter the Elements. New array after Merging is: 2 3 5 6 78 (5) To perform insertion, deletion of Elements in the middle of an array!

I/p: Enter the Size of first array:5 Enter the Elements; 3 mind a print in rotal and : (1 1 4 6) 21 mg) one Olp: - Enter the Element to be inserted. de e . 1 . A seide / And Imp: - Enter the position to detete : 4 0/P:12635 Yeverse a String Ilp:- Enter a String to reverse : rohith Olp: reverse of the String: htihor Check String is a palindrome Or not Ilp: Enter the String: malayalam Olp: - String is Palindrome. (8) To Search a particular Char in astring? I/p: Mistuha: ; Enter the char to Search Ofp: The char 's' was found in the string I many page 1 & design ste

Count Number of times a, e, 1,0, ce prom in the given string Ilp: - Enter a String : Danny Vowele Counts (a e : ou): Matrix Mutiplication FAM atrial. A : 1 2 3 . as state of position of the sale Matrix B :-8 78 3 2 1 3 4 3 2 1 Olp: - Result of Matrix Multipolication (A+B): 30 18 mirte. 84 69 54 138 114 901 String Manpulation 9 Inter the Main string; Danny Enter the Secondary String : royal Olp:- Length:5 concatenated: banny royal

Compare: Not equal
Revers: I a yorunnub
Uppercase: BANNO ROYAL
Lesser Case: Emmu reyal

Day-3

Single linked list.

- @ beginning
- 1 middle
- @ Last

IIP: Enter number of Elements to insert

at the beginning & 3_

Enter 3 values

when a state of the section of the

- @ At beginning : 3 →2→ 1→NULL
- (b) Middle. : 3→2→6→1 → Null Value=6
- © at the end: 3→2→6→1→7→8→9→0

2) 8 STACK data structure. PUSH X POP 2 lement

Spenter the element to push = 4.

OIP: 1, 2, 3, 4

3 To implement Que've Operation Enqueue, dequeue, displan Aprenter stemm to Equeur: 1 18 3 Property of State of State Enter Element to dequey & 2. Dis play : 134 To Convert infix. Exp to postfix exp Using STACK. 7 Enter Sofin Emp: ((A+B)+(C-D))/(f-g) postfix Exp: AB+ CD-*fq-/ To evaluate the given post-fix Explesing STACK? I/P:- Enter the Postfix Exp: 5432-+/ Op: - postfix qualition = 1

a select and all in grant

Day A Write a C-program to implement binary tree traversal Ilp: 27, 14, 35, 10, 19, 31, 42 O/p: pre Order : 27 14 10 19 35 31 42 In order: 10 14 19 27 31 35 41 post Order: 10 19 14 31 42 35 22 1 Write C-program for AVI tree IIP:- 16,20,30,40,25 O[P:- 30 20 10 25 40 50. Linear Probing at the state of I/P: Enter a value to insert into hash

prod table: 3 2 Display 3 Search 4 Exit Element in the host table = 0,1,4

```
Bubble Sort
Ilp: Enter Alumber of Elements: 5
       2) 2 dissert on remide 5
       54
       3
 Olp: Sorted list: 3 12 25 54 69
      Harmal's Lokos to report
Selection Sort.
I/p:- Elements: 64,25,12,72,11
   Olp : Sorted array: 11 12 22 25 64
   Insertion Sort
10 (4 H 35 35 18 FE 35 H 4) 01
I/p: Elements
          Portroe 1st 3! El
   18 15 15 11 11 81
Olp: Before Sorting array Elements are
    12 31 25 8 32 17
 After Borting array Element are.
```

8 12 17 25 31 32 To implement Quick Sort 9 Tp:-Number of Elements 5 56 78 Olp: Order of Sorted Elements: 1 3 40 56 78 (8) To Implement Merge sort? Ilp: a[11] = 10, 14, 19, 26,27, 31, 33, 35,42,4 Il of the botto Olp: Liet before Sorting: 10 14 19 26 27 31 33 35 42 44 0 El . L . Trament Lis After Sorting 0 10 14 19 26 27 31 33 35 42 4

1 1 28 8 23 16 31.

term parties soil & sq.

all yours pairtos rost 1 ...