7. Algorithm of Max and min

Step1:- Start

Step2:- Take four variable arr[100] ,n , max and min. input the variable n . Initialize max=0.

Step3:- taking arr element using for loop

Step4:- Use a for loop (int j = 0; j < n; j++)

4.1 if arr[j]>max then

4.2 max=arr[j]

Step5:- loop end

Step6:- Use a for loop (int k = 0; k < n; k++)

6.1 if arr[k]<min then

6.2 min=arr[k]

Step7:- loop end

Step8 :- Printing max and min value.

Step9:- Stop.

8. Search a element in a given Array……

Step1:- Start

Step2:- taking two variable n and i . input n and initialize arr[10] ={1, 2, 3, 4, 5, 6, 7, 8, 9, 10}

Step3:- Use a for loop (i = 0; i < 10; i++)

3.1 if arr[i] == n then

3.2 printing number is present in this array location

Step4:- loop end

Step5:- if i==10 then

5.1 printing I is not available in this array

Step6:-Stop.

51. complex number……

Step1:- Start

Step2:- input n1, n2 using Structure

Step3:- result_add.real = n1.real + n2.real

Step4:- result_add.imag = n1.imag + n2.imag

Step5:- result_sub.real = n1.real - n2.real

Step6:- result_sub.imag = n1.imag - n2.imag

Step7:- printing the addition and subtraction of Complex Number.

Step8:- Stop

52. getchar() ; getche() ; getch(); Function

Step1:- Start

Step2:- input val, val1 using getchar() and getche() function

Step3:- printing val and val1

Step4:- use getch() function to hold the screen

Step5:- Stop

53. gets vs scanf printf vs puts….

Step1:- Start

Step2:- Input a using gets() function

Step3:- Printing a

Step4:- Input a Using Scanf () function

Step5:- Printing a

Step6:- printing this is line 1and this is line 2 using printf() function

Step7:- printing this is line 1and this is line 2 using puts() function

Step8:- Stop

54.prime number …..

Step1:- Start

Step2:- input n1 , n2

Step3:- Use a for loop (i = n1; i < n2; ++i)

Step4:- val=isprime(i) called isprime() function

Isprime() function:-

Step4.1:- taking a from main function

Step4.2:- use a for loop (int i = 2; i*i <= a ; ++i)

Step4.3:- if (a % i == 0) then

Return 0

And then break

Step4.4:- End loop

Step4.5:- return 1

Step5:- if(val==1) then

Printing the prime numbers

Step6:- End loop

Step7:- Stop

55. Student information ……

Step1:- Start

Step2:- input n

Step3:- Use for loop (int i = 0; i < n; i++)

Step4:- Printing roll no and taking input Student name , marks , grade using structure

Step5:- End loop

Step6:- Use for loop (int j = 0; j < n; j++)

Step7:- printing student name roll no marks grade

Step8:- End loop

Step9:- Stop

56.Sum of individual digits of a Num……

Step1:- Start

Step2:- input n

Step3:- Use while loop (n>0)

Step4:- num = n % 10;

Step5:- sum += num;

Step6:- n = n / 10;

Step7:- end loop

Step8:- printing the sum of the individual num

Step9:- Stop

57.Sting find programming…….

Step1:- Start

Step2:- input s,t string

Step3:- cp=strstr(s,t)

Step4:- if (cp) then

Printing Second String is found in the First String

Else

Printing -1

Step5:- Stop

58. 2's compliment…….

Step1:- Start

Step2:- input bin

Step3:- len= strlen(bin)

Step4:- Use a for loop (int i = len - 1; i >= 0; i--)

Step5:- if (bin[i]=='1') then

Num=i

And then break

Step6:- End loop

Step7:- Using a for loop (int j = num - 1; j >= 0; j--)

Step8:- if (bin[j] == '0') then

bin[j]=1

else bin[j]=0

Step9:- end loop

Step10:- Printing 2's Compliment

Step11:- Stop

59.Search an element form Array…….

Step1:- Start

Step2:- Input n and initialize check=1

Step3:- Using a for loop(int i = 0; i < n; i++)

Step4:- input array element arr[i]

Step5:- End loop

Step6:- input Search

Step7:- Using a for loop (int j = 0; j < n; j++)

Step8:- if(arr[j]==search) then

Printing Element is found

And then break and initialize check=0

Step9:- End loop

Step10:- if (check)

Printing no element is found in this array

Step11:- Stop

60.operands Calculation …….

Step1:- Start

Step2:- input ch, n1 ,n2

Step3:- Using a switch(ch)

Step4:- if case is '+' then

Val= n1+n2

And printing val

Step5:- if case is ' - ' then

Val=n1-n2

And printing val

Step6:- if case is ' * ' then

Val=n1*n2

And printing val

Step7:- if case is '/' then

Val=n1/n2

And printing val

Step8:- if case is '%' then

Val=n1%n2

And printing val

Step9:- if default then

Printing invalid input

Step10:- Stop