**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}

**Step**3:- 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