**2.Write down a program to take two int values from the user and print in ascending order.**

#include<stdio.h>

int main()

{

int i,j,n,arr[10],temp;

printf(" Enter the number of elements in the array :");

scanf("%d",&n);

printf(" Enter the elements in the array :");

for(i=0;i<n;i++)

{

scanf("%d",&arr[i]);

}

printf(" Bubble sort :\n");

for(i=0;i<n;i++)

{

for(j=0;j<n;j++)

{

if(arr[j]>arr[j+1])

{

temp=arr[j];

arr[j]=arr[j+1];

arr[j+1]=temp;

}

}

}

printf("The sorted array is :");

for(i=1;i<n+1;i++)

{

printf(" %d",arr[i]);

}

return 0;

}

**3.Write a program to create a voting system.**

#include <stdio.h>

int max(int a, int b)

{

if (a > b)

return a;

return b;

}

int main()

{

int arr[5] = {0};

int n;

int a = 0, b = 0, c = 0, d = 0;

printf("How many voters can caste their vote: ");

scanf("%d", &n);

while (n--)

{

int v;

printf("Enter vote:\n");

printf("1=> vote AAA,2=> vote BBB,3=>vote CCC,4=> vote Nota\n");

scanf("%d", &v);

arr[v]++;

}

int res = -100;

int k = 0;

for (int i = 1; i < 5; i++)

{

if (res < arr[i])

{

res = arr[i];

k = i;

}

}

if (k == 1)

printf("AAA wins\n");

else if (k == 2)

printf("BBB wins\n");

else if (k == 3)

printf("CCC wins\n");

else if (k == 4)

printf("NOTA wins\n");

return 0;

}

**4.Write a program to create a calculator system.**

#include<stdio.h>

#include<conio.h>

int main()

{

char sign;

int operand\_1, operand\_2;

printf("Press 1 Sum, Press 2 for Sub, Press 3 for Mul, Press 4 for Div :");

scanf("%c", &sign);

printf("Enter First Number : \n");

scanf("%d", &operand\_1);

printf("Enter Second Number :\n");

scanf("%d", &operand\_2);

switch (sign)

{

case'1' :

printf(" %d + %d =%d", operand\_1, operand\_2, operand\_1 + operand\_2);

break;

case'2' :

printf(" %d - %d =%d", operand\_1, operand\_2, operand\_1 - operand\_2);

break;

case'3' :

printf(" %d \* %d =%d", operand\_1, operand\_2, operand\_1 \* operand\_2);

break;

case'4' :

printf(" %d / %d =%d", operand\_1, operand\_2, operand\_1 / operand\_2);

break;

default :

printf(" invalid operator");

break;

}

return 0;

}

**5.Write a program to check Prime Number, If not then find out the factorial.**

#include<stdio.h>

#include<conio.h>

int main()

{

int n,i, count=0;

unsigned long long fact = 1;

printf("Enter the number which you want to check ");

scanf("%d",&n);

for(i=2;i<=n/2;i++)

{

if(n%i==0)

{

count = 1;

break;

}

}

if(n==1)

printf("1 is neither prime nor composite");

else{

if(count == 0)

printf("%d is a prime number.", n);

else{

printf("%d is a not a prime number.\n", n);

for (i = 1; i <= n; ++i) {

fact \*= i;

}

printf("Factorial of %d = %llu", n, fact);

}

}

return 0;

}

**6.Write down a program to find all the prime numbers in between a certain range.**

#include <stdio.h>

void main(){

int num,i,count,stno,enno;

printf("Enter starting number of range: ");

scanf("%d",&stno);

printf("Enter ending number of range : ");

scanf("%d",&enno);

printf("The prime numbers between %d and %d are : \n",stno,enno);

for(num = stno;num<=enno;num++)

{

count = 0;

for(i=2;i<=num/2;i++)

{

if(num%i==0){

count++;

break;

}

}

if(count==0 && num!= 1)

printf("%d ",num);

}

printf("\n");

}