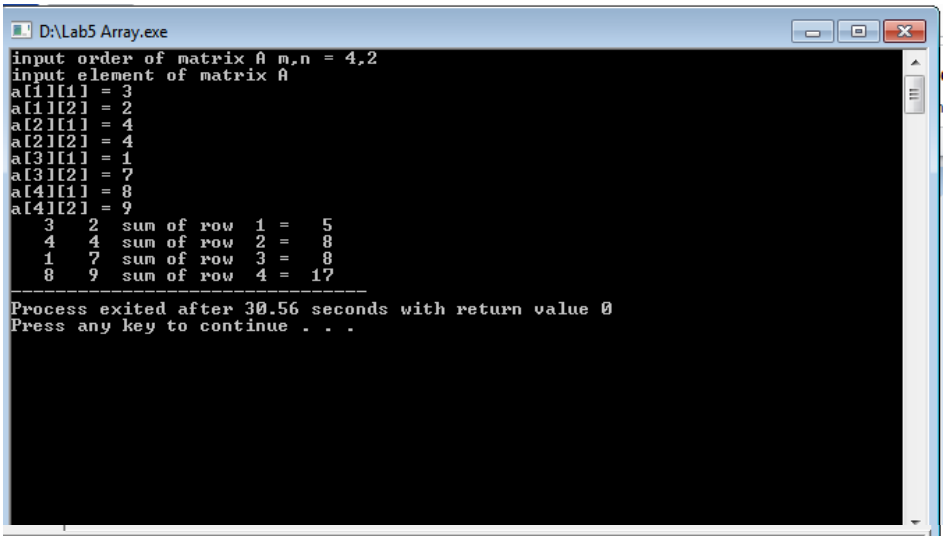
Lab5 Array Chonthicha Phuangfueang 63090500006 MTH

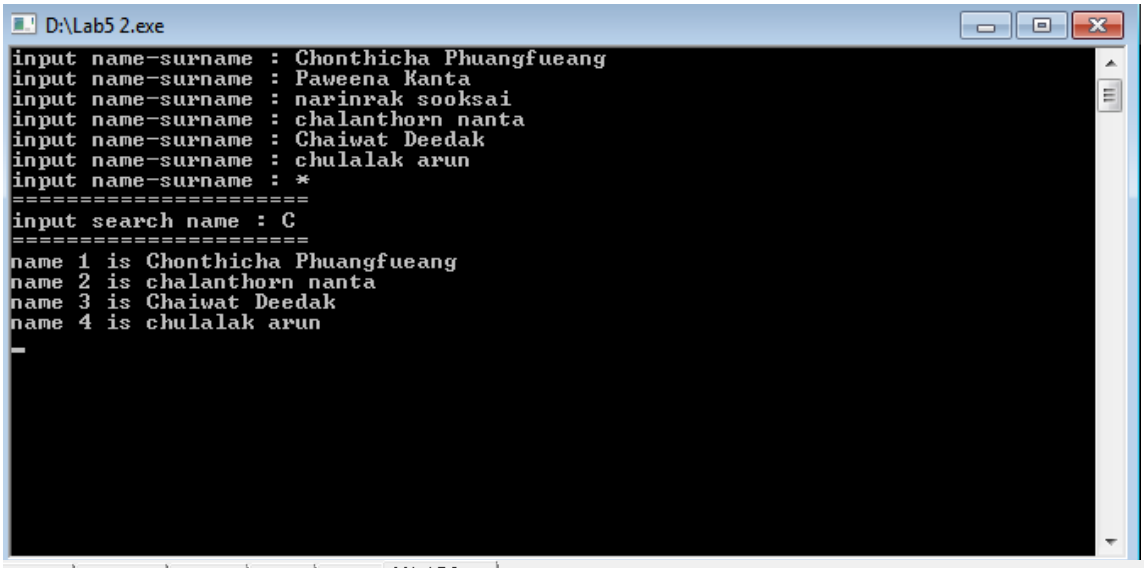
```
#include<conio.h>
#include<stdio.h>
int main()
{int a[20][20],sum=0,m,n,i,j,k=1;
  printf("input order of matrix A m,n = ");
  scanf("%d,%d",&m,&n);
  printf("input element of matrix A\n");
 {for(i=1;i<=m;i++)
  for(j=1;j<=n;j++)
   {
     printf("a[%d][%d] = ",i,j);
     scanf("%d",&a[i][j]);
   }
 }
 for(i=1;i<=m;i++)
   {for(j=1;j<=n;j++)
     {
       printf("%4d",a[i][j]);
       sum=sum+a[i][j];
     }
     if(k<=m);
     printf("  sum of row  %d =%4d\n",k,sum);
     k++;
       sum=sum-sum;
   }
  printf("--------------------------------\nProcess exited after 30.56 seconds with return
value 0\nPress any key to continue . . .");
getch();
return 0;
}
```




```c
#include<stdio.h>
int main()
{int a[20][20],sum=0,m,n,i,j,k=1;
  printf("input order of matrix A m,n = ");
  scanf("%d,%d",&m,&n);
  printf("input element of matrix A\n");
 {for(i=1;i<=m;i++)
  for(j=1;j<=n;j++)
   {
     printf("a[%d][%d] = ",i,j);
     scanf("%d",&a[i][j]);
   }
 }
 for(i=1;i<=m;i++)
   {for(j=1;j<=n;j++)
     {
       printf("%4d",a[i][j]);
       sum=sum+a[i][j];
     }
     if(k<=m);
     printf("  sum of row  %d =%4d\n",k,sum);
     k++;
       sum=sum-sum;
   }
  printf("--------------------------------\nProcess exited after 30.56 seconds with return valu
getch();
return 0;
}
```

Lab5/2

```
#include<stdio.h>
#include<conio.h>
int main()
{int i,j=0,I,J;
 char name[100][100],K;
     for(i=1;;i++)
          {
             printf("input name-surname : ");
             gets(name[i]);
            if(name[i][0]=='*') break;
          }
     I=i-1;
     printf("======================\n");
     printf("input search name : ",K);
     K=getchar();
     printf("======================\n");
     for(i=1;i<=I;i++)
          {
            if(K>=65&&K<=90)
               J=K+32;
               if(K>=97&&K<=122)
                 J=K-32;
                  if(name[i][0]==K || name[i][0]==J)
                    {
                          j++;
                          printf("name %d is %s\n",j,name[i]);
                    }
          }
getch();
return 0;
}
```



Array.cpp | Lab 5 ..cpp | Lab4.cpp | stdio.h | conio.h | [*] Lab5 2.cpp

```c
//Chonthicha Phuangfueang 63090500006
#include<stdio.h>
#include<conio.h>
int main()
{int i,j=0,I,J;
 char name[100][100],K;
     for(i=1;;i++)
          {
             printf("input name-surname : ");
             gets(name[i]);
            if(name[i][0]=='*') break;
          }
     I=i-1;
     printf("======================\n");
     printf("input search name : ",K);
     K=getchar();
     printf("======================\n");
     for(i=1;i<=I;i++)
          {
            if(K>=65&&K<=90)
               J=K+32;
               if(K>=97&&K<=122)
                 J=K-32;
                  if(name[i][0]==K || name[i][0]==J)
                    {
                          j++;
                          printf("name %d is %s\n",j,name[i]);
                    }
          }
getch();
```