

```
#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;

}
```

D:\Lab5 Array.exe

```
input order of matrix A m,n = 4,2
input element of matrix A
a[1][1] = 3
a[1][2] = 2
a[2][1] = 4
a[2][2] = 4
a[3][1] = 1
a[3][2] = 7
a[4][1] = 8
a[4][2] = 9
```

```
3 2 sum of row 1 = 5
4 4 sum of row 2 = 8
1 7 sum of row 3 = 8
8 9 sum of row 4 = 17
```

Process exited after 30.56 seconds with return value 0  
Press any key to continue . . .

```
#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",&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;

}
```

```
D:\Lab5 2.exe
input name-surname : Chonthicha Phuangfueang
input name-surname : Paweena Kanta
input name-surname : narinrak sooksai
input name-surname : chalanthorn nanta
input name-surname : Chaiwat Deedak
input name-surname : chulalak arun
input name-surname : *
=====
input search name : C
=====
name 1 is Chonthicha Phuangfueang
name 2 is chalanthorn nanta
name 3 is Chaiwat Deedak
name 4 is chulalak arun
```

Array.cpp | Lab 5\_2.cpp | Lab4.cpp | stdio.h | conio.h | [ ] Lab5 2.cpp

```
//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();
 return 0;
```