1.

#include<stdio.h>

int main()

{

int i, j, x, y, a[50][50], Sum;

printf("\n Please Enter Number of row and columns : ");

scanf("%d %d", &i, &j);

printf("\n Please Enter the Matrix Elements \n");

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

{

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

{

scanf("%d", &a[x][y]);

}

}

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

{

Sum = 0;

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

{

Sum = Sum + a[x][y];

}

printf("\n The Sum of Elements of a Rows in a Matrix = %d", Sum );

}

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

{

Sum = 0;

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

{

Sum = Sum + a[y][x];

}

printf("\n The Sum of Elements of a Columns in a Matrix = %d", Sum );

}

return 0;

}

2.

#include <stdio.h>

int main()

{

int a1[100], position, num, i, value, del;

printf("enter no of elements");

scanf("%d",&num);

printf("enter the values");

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

{

scanf("%d",&a1[i]);

}

printf("enter the location to be put in");

scanf("%d", &position);

printf("enter the value to insert");

scanf("%d", &value);

for(i=num-1;i>=position-1;i--)

{

a1[i+1]=a1[i];

}

a1[position-1]=value;

printf("final array");

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

{

printf("%d\n",a1[i]);

}

printf("enter the location whose element to be deleted");

scanf("%d",&del);

if(del>=num+1)

printf("delete not possible");

else

{

for(i=del-1; i<=num; i++)

a1[i]=a1[i+1];

printf("results are");

for(i=0; i<=num-1; i++)

printf("%d", a1[i]);

}

return 0;

}

3.

#include <stdio.h>

int main()

{

char a[100];

int i;

printf("enter string: ");

gets(a);

for(i=0; a[i]!='\0'; i++)

{

if(a[i]>='A' && a[i]<='Z')

{

a[i] = a[i] + 32;

}

}

printf("lower case string: %s", a);

return 0;

}

4.

#include<stdio.h>

int main()

{

int i, j, x, y, a[50][50], Sum;

printf("\n Please Enter Number of row and colm : ");

scanf("%d %d", &i, &j);

printf("\n Please Enter the Matrix Elements \n");

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

{

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

{

scanf("%d", &a[x][y]);

}

}

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

{

Sum = 0;

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

{

Sum = Sum + a[50][50];

}

printf("\n Sum of Elements of Rows in Matrix = %d", Sum );

}

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

{

Sum = 0;

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

{

Sum = Sum + a[y][x];

}

printf("\n Sum of Elements of a Columns in Matrix = %d", Sum );

}

return 0;

}