**Maximum and minimum:**

**#include"stdio.h"**

**int main()**

**{**

**int a[3],i,j,max=0,min=0;**

**for(i=1;i<=3;i++)**

**{**

**printf("Enter [%d] number ",i);scanf("%d",&a[i]);**

**}**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**if(a[i]>a[j])**

**max=a[i];**

**else**

**min=a[j];**

**}**

**}**

**printf("Max number is %d",max);**

**printf("Min number is %d",min);**

**return 0;**

**}**

**Implement linear search:**

**#include"stdio.h"**

**int main()**

**{**

**int a[5],i;**

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

**{**

**printf("Enter the [%d] number ",i);**

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

**}**

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

**{**

**printf("The number in %d is %d",i,i);**

**}**

**return 0;**

**}**

**Array in descending order:**

#include <stdio.h>

int main()

{

int a[10],i,j,max;

Printf(“Enter the numbers In the array”);

for(i=0;i<10;i++)

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

for(i=0;i<10;i++)

{

for(j=i+1;j<10;j++)

{

if(a[i]<a[j])

{

max=a[i];

a[i]=a[j];

a[j]=max;

}

}

}

printf("elements in descending order:\n");

for(i=0;i<10;i++)

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

return 0;

}

Transpose:

**#include <stdio.h>**

**int main(){**

**int r, c, i, j, a[10][10], b[10][10];**

**printf("Enter rows and columns :\n");**

**scanf("%d%d", &r, &c);**

**printf("Enter elements of the matrix\n");**

**for (i= 0; i < r; i++)**

**for (j = 0; j < c; j++)**

**scanf("%d", &a[i][j]);**

**for (i = 0;i < r;i++)**

**for (j = 0; j < c; j++)**

**b[j][i] = a[i][j];**

**printf("Transpose of the matrix:\n");**

**for (i = 0; i< c; i++) {**

**for (j = 0; j < r; j++)**

**printf("%d\t",b[i][j]);**

**printf("\n");**

**}**

**return 0;**

**}**

**Multiplication:**

**#include"stdio.h",**

**int main()**

**{**

**int a[3][3],b[3][3],c[3][3],i,j;**

**printf("Enter the numbers in matrix A ");**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**scanf("%d",&a[i][j]);**

**}**

**}**

**printf("Enter the numbers in matrix b ");**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**scanf("%d",&b[i][j]);**

**}**

**}**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**c[i][j]=a[i][j]\*b[i][j];**

**}**

**}**

**printf("\nThe result is\n");**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**printf("%5d",c[i][j]);**

**}**

**printf("\n");**

**}**

**return 0;**

**}**

**Dictionary order:**

**#include <stdio.h>**

**#include <string.h>**

**int main() {**

**char str[10][10], temp[10];**

**printf("Enter 10 words: ");**

**for (int i = 0; i < 10; ++i) {**

**scanf("%s",&str[i]);**

**}**

**for (int i = 0; i < 10; ++i) {**

**for (int j = i + 1; j < 10; ++j) {**

**if (strcmp(str[i], str[j]) > 0) {**

**strcpy(temp, str[i]);**

**strcpy(str[i], str[j]);**

**strcpy(str[j], temp);**

**}**

**}**

**}**

**printf("\nIn the dictionary order: \n");**

**for (int i = 0; i < 10; ++i) {**

**printf("%",str[i]);**

**}**

**return 0;**

**}**

**Total number of alphabets, nubmers etc:**

**#include <stdio.h>**

**int main()**

**{**

**char str[10];**

**int alphabets, digits, others, i;**

**alphabets = digits = others = i = 0;**

**printf("Enter any string : ");**

**gets(str);**

**while(str[i]!='\0')**

**{**

**if((str[i]>='a' && str[i]<='z') || (str[i]>='A' && str[i]<='Z'))**

**{**

**alphabets++;**

**}**

**else if(str[i]>='0' && str[i]<='9')**

**{**

**digits++;**

**}**

**else**

**{**

**others++;**

**}**

**i++;**

**}**

**printf("Alphabets = %d\n", alphabets);**

**printf("Digits = %d\n", digits);**

**printf("Special characters = %d", others);**

**return 0;**

**}**

**Addition:**

**#include"stdio.h"**

**int main()**

**{**

**int a[3][3],b[3][3],c[3][3],i,j;**

**printf("\nEnter the elemnts in matrix A ");**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**scanf("%d",&a[i][j]);**

**}**

**}**

**printf("Enter the elements in Matrix B ");**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**scanf("%d",&b[i][j]);**

**}**

**}**

**c[i][j]=a[i][j]+b[i][j];**

**for(i=1;i<=3;i++)**

**{**

**for(j=1;j<=3;j++)**

**{**

**printf("%2d",c[i][j]);**

**}**

**printf("\n");**

**}**

**return 0;**

**}**