Evaluation 1

evaluate1.c > main()

```c
// eval 1. Develop a program to perform addition of two Matrices.
#include <stdio.h>
int main(){
int n,m,i,j;
printf("Enter number of rows : ");
scanf("%d",&n);
printf("Enter number of columns : ");
scanf("%d",&m);
int arr1[n][m],arr2[n][m],arr3[n][m];
printf("Enter matrix 1 : \n");
for(i=0;i<n;i++){
    for(j=0;j<m;j++){
        scanf("%d",&arr1[i][j]);
    }
}
printf("Enter matrix 2 : \n");
for(i=0;i<n;i++){
    for(j=0;j<m;j++){
        scanf("%d",&arr2[i][j]);
    }
}
printf("Addition of matrices : \n");
for(i=0;i<n;i++){
    for(j=0;j<m;j++){
        arr3[i][j]=arr1[i][j]+arr2[i][j];
    }
}
for(i=0;i<n;i++){
    for(j=0;j<m;j++){
        printf("%d\t",arr3[i][j]);
    }
    printf("\n");
}
}
```

```
Enter number of rows : 3
Enter number of columns : 3
Enter matrix 1 :
1 1 1
2 2 2
3 3 3
Enter matrix 2 :
1 1 1
2 2 2
3 3 3
Addition of matrices :
2       2       2
4       4       4
6       6       6
```

Evaluation 2

```c
//2. Demonstrate reading a two-dimensional array of marks which stores marks of 4 students in 3 subjects
//and display the highest marks in each subject.
#include <stdio.h>
int main()
int i,j,max, arr[4][6];
printf("Enter marks : \n");
for(i=0;i<4;i++){
    for(j=0;j<4;j++){
        scanf("%d",&arr[i][j]);
    }
}
for(i=0;i<3;i++){
        max = arr[i][0];
        for(int j=0;j<4;j++){
            if (arr[j][i]>max)
            max=arr[j][i];
        }
        printf("max in sub[%d]= %d\n",j,max);
    }
for(i=0;i<3;i++){
    for(j=0;j<6;j++){
        printf("%3d",arr[i][j]);
    }
    printf("\n");
}
```

```
Enter marks :
10 20 40
30 30 40
40 30 20
10 20 20
max in sub[3]= 40
max in sub[3]= 30
max in sub[3]= 40
```