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.

```c
#include<stdio.h>

int main()
{
int marks[4][3],i,j,maxmarks;
for(int i=0;i<4;i++){
    printf("enter the marks obtained by student %d ",i);
    for(int j=0;j<3;j++){
        printf("\nmarks[%d][%d]",i,j);
        scanf("%d",&marks[i][j]);
    }
}
for(int j=0;j<3;j++){
    maxmarks=marks[0][j];
    for(int i=0;i<4;i++){
        if(marks[i][j]>maxmarks)
            maxmarks=marks[i][j];
    }
    printf("\nthe highest marks obtained in the subject %d=%d",j,maxmarks);
}
return 0;
}
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\utkar_c0hqe7g\OneDrive\Desktop\C (tutorials) Course> gcc c2.c
PS C:\Users\utkar_c0hqe7g\OneDrive\Desktop\C (tutorials) Course> .\a.exe
enter the marks obtained by student 0
marks[0][0]56

marks[0][1]78

marks[0][2]89
enter the marks obtained by student 1
marks[1][0]98

marks[1][1]94

marks[1][2]92
enter the marks obtained by student 2
marks[2][0]82

marks[2][1]88

marks[2][2]86
enter the marks obtained by student 3
marks[3][0]94

marks[3][1]80

marks[3][2]83

the highest marks obtained in the subject 0=98
the highest marks obtained in the subject 1=94
the highest marks obtained in the subject 2=92
PS C:\Users\utkar_c0hqe7g\OneDrive\Desktop\C (tutorials) Course>
```