

```

# include <stdio.h>
# include <math.h>
# include <stdlib.h>
# include <string.h>
void main()
{
    int m, n, i, j, a, FILE *p1;
    printf("Enter m and n: ");
    scanf("%d %d", &m, &n);
    if (m < 0 || n < 0)
    {
        printf("Invalid input\n");
        return;
    }
    FILE *p1 = fopen("a.txt", "w");
    if (p1 == NULL)
    {
        printf("File not created\n");
        return;
    }
    for (i = 0; i < m; i++)
    {
        for (j = 0; j < n; j++)
        {
            printf("%d ", i * j);
            if (j % 10 == 0)
                printf("\n");
        }
        printf("\n");
    }
    fclose(p1);
}

```

```

void min(int m, int n, int a, FILE* P2) {
int min; int i; int j;
    for (int i = 0; i < m; i++) {
        for (int j = 0; j < n; j++) {
            if (a[i][j] % 2 == 0) {
                min = a[i][j];
                break;
            }
        }
    }
}

```

```

for (int i = 0; i < m; i++) {
    for (int j = 0; j < n; j++) {
        if (a[i][j] % 2 == 0 && a[i][j] < min) {
            min = a[i][j];
        }
    }
}

```

```

for (int i = 0; i < m; i++) {
    for (int j = 0; j < n; j++) {
        if (min == a[i][j]) {
printf("In phan tu chon n: %d", a[i][j]);
printf(P2, "In phan tu chon nho nhut: %d", a[i][j]);
        }
    }
}

```

```

printf("In ptu chon nho nhut: %d nam o hang %d, cot %d",
       a[i][j], i+1, j+1);

```

```

printf("In ptu chon nho nhut: %d nam o hang %d, cot %d", a[i][j],
       i+1, j+1);

```



SHOT ON REDMI 7  
AI DUAL CAMERA

```

void Menu Menu (int
void Menu (int m, int n, int *a, FILE *P1, FILE *P2) {
    int x;
    do {
        printf("\n\n nhap chon : 1. Doc file 2. Tang cac ptu chan 3. Tui ptu chan nho nhut, 4. exit\n");
        scanf("%d", &x);
        if (x < 1 || x > 4) {
            printf("i nhap lai");
            scanf("%d", &x);
        }
        else if (x == 1) {
            doc file (&m, &n, &a, P1);
        }
        else if (x == 2) {
            printf("\n Tang cac ptu chan la: %d", tinh(m, n, a, P2));
        }
        else if (x == 3) {
            tui (m, n, a, P2);
        }
        else if (x == 4) {
            printf("EXIT\n");
            exit(0);
        }
    }
    while (x > 0 && x < 5);
}

```



SHOT ON REDMI 7  
AI DUAL CAMERA

```

int main() {
    int int **a;
    int m, n;

    FILE *p1 = fopen("in1.txt", "r");
    FILE *p2 = fopen("out1.txt", "w");

    if (p1 == NULL) {
        printf("chance file!");
        exit(0);
    }

    merge(m, n, a, p1, p2);
    fclose(p1);
    fclose(p2);
    free(a);
}

```

```
#include <stdio.h>
#include <math.h>
#include <string.h>
#include <stdlib.h>
```

```
struct oto {
    int BKS;
    float TT;
    char cty[10];
};
```

```
};
struct oto *a;
```

```
void docfile (int *n, struct oto *a, FILE *p1) {
```

```
    fscanf (p1, "%d\n", n);
```

```
    if ((a = (oto *) malloc ((int) *n * sizeof(oto))) == NULL) {
```

```
        printf ("chico ho nho");
```

```
        exit (0);
```

```
    }
```

```
    int i = 0;
```

```
    for (i = 0; i < *n; i++) {
```

```
        fscanf (p1, "%d\n%f\n%[^\n]\n", &(a[i].BKS), &(a[i].TT),
                &(a[i].cty));
```

```
        i++;
```

```
        if (feof (p1)) break;
```

```
    }
```

```
int demoto (int n, struct oto *a, FILE *p2) {
```

```
    int dem = 0;
```

```
    for (int i = 0; i < n; i++) {
```

```
        if ((strcmp (a[i].cty, "B") == 0) && (a[i].BKS % 3 == 0))
```

```
            dem++;
```

```
    }
```

```
    if (dem == 0) {
```

```
        return 0;
```

```
    } else {
```

```
        return dem;
```

```
    }
```



```

void otoiho (int n, struct otoiho *a, FILE *p2) {
    for (int i=0; i<n-1; i++) {
        for (int j=i+1; j<n; j++) {
            if (a[i].TT > a[j].TT) {
                otoiho temp = a[i];
                a[i] = a[j];
                a[j] = temp;
            }
        }
    }
}

```

```

    printf("In 3 otoiho trong tai nhonhat la: ");
    printf(p2, "In 3 otoiho trong tai nhonhat la: ");
    printf("In %-10s, %-10s, %-10s, %-10s", "STT", "Bieu kiem tra",
        "Trong tai", "Long ty");

```

```

    printf(p2, "In %-10s, %-10s, %-10s, %-10s", "STT",
        "Bieu kiem tra", "Trong tai", "Long ty");

```

```

    for (int i=0; i<3; i++) {

```

```

        printf("STT

```

```

        printf("In %-10d, %-10d, %-10.2g, %-10s", i+1, a[i].BKS,
            a[i].TT, a[i].Cty);

```

```

    printf(p2, "In %-10d, %-10d, %-10.2g, %-10s", i+1, a[i].BKS,
        a[i].TT, a[i].Cty);

```

```

void Menu (int n, struct ota *a, FILE *P1, FILE *P2) {
    int x;
    do {
        printf ("In\n nhap chon : In 1. doc file \n 2. Dem o to cty B
        co BK chia het cho 3 In 3. 3 o to co trong tai nhieu nhat \n
        4. Exit \n");
        scanf ("%d", &x);
        if (x < 1 || x > 4) {
            printf ("nhap lai");
            scanf ("%d", &x);
        } else if (x == 1) {
            docfile (&m, &n, &a, P1);
        } else if (x == 2) {
            printf | printf ("O to cty B chia het cho 3 (%d) %d\n",
            demoto (n, a, P2));
        } else if (x == 3) {
            otonha (n, a, P2);
        } else if (x == 4) {
            printf ("Exit \n");
            exit (0);
        }
    } while (x > 0 && x < 5);
}

```

```
int main() {  
    int n;
```

```
    FILE *fp; fp = fopen("cut.txt", "a");
```

```
    FILE *f2 = fopen("cut2.txt", "a");
```

```
    if (PA == NULL) {
```

```
        printf("success");  
        exit(0);
```

```
    }
```

```
    main(n, p1, p2);
```

```
    close(p1);
```

```
    close(p2);
```

```
    free(a);
```

```
}
```



SHOT ON REDMI 7  
AI DUAL CAMERA