

Section: Week-09-Two-Dimensi

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MANISHA M 2024-CSE M2

Week-09-Two-Dimensional and Multi-dimensional Arrays

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GE23131-PUC-2024: Coding | R

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 - Lab-04-Decision Making and Branching - if...else i...
 - Week-04-Decision Making and Looping - while, do...wh...

Coding

✓ Done

Re-attempt quiz

Attempts allowed: 4

Time limit: 1 hour 30 mins

Grading method: Highest grade

Your attempts

Attempt 1

Status: Finished
Started: Friday, 17 January 2025, 12:03 AM
Completed: Friday, 17 January 2025, 12:33 AM
Duration: 30 mins 12 secs

Review

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◀ Coding



Answer: (penalty regime: 0 %)

```
1 #include<stdio.h>
2 int main()
3 {
4     int arr[3][3];
5     for(int i=0;i<3;i++)
6     {
7         for(int j=0;j<3;j++)
8         {
9             scanf("%d",&arr[i][j]);
10        }
11    }
12    int odd=0,even=0;
13    for(int i=0;i<3;i++)
14    {
15        for(int j=0;j<3;j++)
16        {
17            if((i+j)%2!=0)
18                odd+=arr[i][j];
19            else
20                even+=arr[i][j];
21        }
22    }
23    printf("%d\n%d",even,odd);
24 }
```

	Input	Expected	Got	
✓	1 2 3 4 5 6 7 8 9	25 20	25 20	✓
✓	21 422 423 443 586 645 657 846 904	2591 2356	2591 2356	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 struct data
3 {
4     int gen;
5     int tal;
6 };
7
8 int main()
9 {
10    int n;
11    scanf("%d",&n);
12    struct data a[n];
13    for(int i=0;i<n;i++)
14    {
15        scanf("%d %d",&a[i].gen,&a[i].tal);
16    }
17    for(int i=0;i<n-1;i++)
18    {
19        for(int j=0;j<n-i-1;j++)
20        {
21            if(a[j].tal<a[j+1].tal)
22            {
23                struct data temp=a[j];
24                a[j]=a[j+1];
25                a[j+1]=temp;
26            }
27        }
28    }
29    for(int i=0;i<n;i++)
30    {
31        if(a[i].gen==0)
32            printf("%d ",a[i].tal);
33    }
34    for(int i=0;i<n;++i)
35    {
36        if(a[i].gen==1)
37            printf("%d ",a[i].tal);
38    }
39
40
41 }
```

	Input	Expected	Got	
✓	5 0 3 1 6 0 2 0 7 1 15	7 3 2 15 6	7 3 2 15 6	✓
✓	6 0 1 0 26 0 39 0 37 0 7 0 13	39 37 26 13 7 1	39 37 26 13 7 1	✓
✓	12 1 12 1 14 1 18 1 1 1 2 1 3 1 5 1 8 1 9 1 10 0 29 0 31	31 29 18 14 12 10 9 8 5 3 2 1	31 29 18 14 12 10 9 8 5 3 2 1	✓
✓	12 0 12 1 12 0 12 1 12 0 12 1 12 0 12 1 12 0 12 1 12	12 12 12 12 12 12 12 12 12 12 12	12 12 12 12 12 12 12 12 12 12 12	✓

Passed all tests! ✓

```
1 #include<stdio.h>
2 int main()
3 {
4     int i,j,n,x1,x2,y1,y2,t=0;
5     long long total=0;
6     int arr[1001][1001]={0};
7     scanf("%d",&n);
8     while(n--)
9     {
10        scanf("%d %d %d %d",&x1,&y1,&x2,&y2,&t);
11        for(i=x1;i<=x2;i++)
12        {
13            for(j=y1;j<=y2;j++)
14            {
15                if(arr[i][j]==0)
16                    arr[i][j]+=t;
17                else if(arr[i][j]>0)
18                    arr[i][j]=(-1)*(arr[i][j]+t);
19                else if(arr[i][j]<0)
20                    arr[i][j]-=t;
21            }
22        }
23    }
24    for(i=1;i<1001;i++)
25    {
26        for(j=1;j<1001;j++)
27        {
28            if(arr[i][j]<0)
29                total+=arr[i][j];
30        }
31    }
32    printf("%lld\n",(-1)*total);
33    return 0;
34 }
```

```
23 }
24     for(i=1;i<1001;i++)
25     {
26         for(j=1;j<1001;j++)
27         {
28             if(arr[i][j]<0)
29                 total+=arr[i][j];
30         }
31     }
32     printf("%lld\n",(-1)*total);
33     return 0;
34 }
```

	Input	Expected	Got	
✓	3 1 4 4 6 1 4 3 6 6 2 2 2 5 4 3	35	35	✓
✓	1 48 12 49 27 8	0	0	✓
✓	3 88 34 99 76 44 82 65 94 100 81 58 16 65 66 7	10500	10500	✓

Passed all tests! ✓

Finish review