

## DAA ASSIGNMENT

```
1. #include<iostream>
using namespace std;
int main()
{
    int a[100][100],i,j,r,c,k=0,p,b[100],l;
    cin>>r>>c;
    p=r*c;
    for(i=0;i<r;i++)
    {
        for(j=0;j<c;j++)
        {
            cin>>a[i][j];
            b[k]=a[i][j];
            k=k+1;
        }
    }
    for(i=0;i<p;i++)
```

```
{  
    for(j=i+1;j<p;j++)  
    {  
        if(b[i]>b[j])  
        {  
            l=b[i];  
            b[i]=b[j];  
            b[j]=l;  
        }  
    }  
}  
}  
cout<<b[(p-1)/2];  
}
```

```
2. #include <bits/stdc++.h>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int NUM,arrived[100],departed[100];
```

```
    cin>>NUM;
```

```
    for(int i=0;i<NUM;i++)
```

```
    {
```

```
        cin>>arrived[i];
```

```
    }
```

```
    for(int i=0;i<NUM;i++)
```

```
    {
```

```
        cin>>departed[i];
```

```
    }
```

```
    int platform_needed = 1, result = 1;
```

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

```
        platform_needed = 1;
```

```
        for (int j = 0; j < NUM; j++) {  
            if (i != j)  
                if (arrived[i] >= arrived[j] &&  
departed[j] >= arrived[i])  
                    platform_needed++;  
        }  
  
        result = platform_needed;  
    }  
    cout << result;  
    return 0;  
}
```