

## //Adding ,Subtracting , Product Two Dimension Array

```
#include <iostream>
```

```
using namespace std;
```

```
const int n=2;
```

```
int main() {
```

```
int a[n][n],b[n][n],c[n][n], i, j;
```

```
cout<<"read first array :\n";
```

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

```
{
```

```
for(j=0;j<n;j++)
```

```
cin>>a[i][j];
```

```
cout<<"\n";
```

```
}
```

```
cout<<"read second array :\n";
```

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

```
{
```

```
for(j=0;j<n;j++)
```

```
cin>>b[i][j];
```

```
cout<<"\n";
```

```
}
```

```
cout<<"print first array :\n";
```

```
for(i=0;i<n;i++)
{
for(j=0;j<n;j++)
cout<<a[i][j]<<"\t";
cout<<"\n";
}
cout<<"print second array :\n";
for(i=0;i<n;i++)
{
for(j=0;j<n;j++)
cout<<b[i][j]<<"\t";
cout<<"\n";
}
cout<<" sum of A & B arrays in C :\n";
for(i=0;i<n;i++)
{
for(j=0;j<n;j++)
{
c[i][j]=a[i][j]+b[i][j];
cout<<c[i][j]<<"\t";
}
}
```

```
cout<<"\n";
}
cout<<" subtract of A & B arrays in C :\n";
for(i=0;i<n;i++)
{
for(j=0;j<n;j++)
{
c[i][j]=a[i][j]-b[i][j];
cout<<c[i][j]<<"\t";
}
cout<<"\n";
}
cout<<" product of A & B arrays in C :\n";
for(i=0;i<n;i++)
{
for(j=0;j<n;j++){
c[i][j]=a[i][j]*b[i][j];
cout<<c[i][j]<<"\t";
}cout<<"\n";
}
return 0;}
```