```
#include <iostream>
using namespace std;
int main(){
    struct poly
    int coeff,exp;
            struct poly p1[10],p2[10],p3[20];
int n1,n2,n3,i,j;
            cout<<"Enter number of terms in 1st and 2nd polynomial: ";
cin>>n1>>n2;
            p1[0].coeff=n1;
p2[0].coeff=n2;
p1[0].exp=p2[0].exp=0;
//Inputting the polynomials
    cout<< "Enter the coeficient and exponent of 1st polynomial: \n";
    for(i=1;i<=n1;i++)
        cin>>p1[i].coeff>>p1[i].exp;
    cout<< "Enter the coeficient and exponent of 2nd polynomial: \n";
    for(i=1;i<=n2;i++)
        cin>>p2[i].coeff>>p2[i].exp;
    cout<< "\n\n";
    //Displaying the polynomials
@finclude <iostream>
#include <iostream>
#include <iostream>
            //Inputting the polynomials
//Inputting the polynomials \n";
using namespace std;
int main(){
    struct poly
    {
        int coeff,exp;
    };
            struct poly p1[10],p2[10],p3[20];
int n1,n2,n3,i,j;
            p1[0].coeff=n1;
p2[0].coeff=n2;
p1[0].exp=p2[0].exp=0;
            //Inputting the polynomials
//Inputting the coefficient and exponent of 1st polynomial: \n";
```

```
cout<<"\n\n";
//Displaying the polynomials
cout<<"Polynomial 1: \n\n";</pre>
cout<<"\n\n";
cout<<"Polynomial 2: \n\n";
for(i=0;i<=n2;i++)</pre>
cout<<p2[i].coeff<<" "<<p2[i].exp<<"\n";
cout<<"\n\n";</pre>
p3[n3].coeff=p1[i].coeff;
p3[n3].exp=p1[i].exp;
               i++;
       n3++;
p3[n3].coeff=p2[j].coeff;
p3[n3].exp=p2[j].exp;
               j++;
               int sum=(p1[i].coeff + p2[j].coeff);
                     j++;
       n3++;
p3[n3].coeff=p1[i].coeff;
       p3[n3].exp=p1[i].exp;
       i++;
}
while(j<=n2)</pre>
       n3++;
p3[n3].coeff=p2[j].coeff;
p3[n3].exp=p2[j].exp;
       j++;
p3[0].coeff=n3;
p3[0].exp=0;
```

```
p3[0].coett=n3;
p3[0].exp=0;
       cout<<"Sum of the 2 polynomials as an array of doublets: \n";
for(i=0;i<=n3;i++)
cout<<" ("<<p3[i].coeff<<" , "<<p3[i].exp<<")\n ";</pre>
Enter number of terms in 1st and 2nd polynomial: 4 3
Enter the coeficient and exponent of 1st polynomial:
3 6
4 4
3 2
2 0
Enter the coeficient and exponent of 2nd polynomial:
5 5
2 4
3 1
Polynomial 1:
4 0
  6
   4
   2
   0
Polynomial 2:
  0
  5
   4
   1
Sum of the 2 polynomials as an array of doublets:
 (6,0)
  (3, 6)
  (5, 5)
  (6,4)
  (3,2)
  (3, 1)
      , 0)
  (2
```