Polynomial program using c

```c
#include<stdio.h>

#include<conio.h>

void main()

{

    int a[10],b[10],c[10],i,m,n,cnt=0;

for(i=0;i<=9;i++)

a[i]=0;

for(i=0;i<=9;i++)

b[i]=0;

printf("\nEnter the order of first Polynomial");

scanf("%d",&m);

printf("\nEnter the Co-efficient");

for(i=m;i>=0;i--)

{

scanf("%d",&a[i]);

}

printf("\nEnter the order of Second Polynomail");

scanf("%d",&n);

printf("\nEnter the Co-efficient");

for(i=n;i>=0;i--)

{

scanf("%d",&b[i]);

}

if(m>=n)

{

for(i=m;i>=0;i--)

{

c[i]=a[i]+b[i];

cnt++;
```

```
}

}

else

{

for(i=n;i>=0;i--)

{

c[i]=a[i]+b[i];

}

}

printf("\n\nRESULTANT POLYNOMIAL IS :A:=");

for(i=cnt-1;i>0;i--)

{

printf("%dX^%d+",c[i],i);

}

printf("%d",c[i]);

getch();

}
```