

## Reading a polynomial using structure

```
#include <stdio.h>

struct term
{
    int coef;
    int exp;
};

typedef struct term poly;

int main()
{
    poly p[5];
    int i,n;
    printf("Enter the no of terms");
    scanf("%d",&n);
    for(i = 0;i < n;i++)
    {
        printf("Enter a coefficient and exponent");
        scanf("%d%d",&p[i].coef,&p[i].exp);
    }
    for(i = 0;i < n-1;i++)
    {
        printf("%d x ^ %d",p[i].coef,p[i].exp);
        printf("%s",p[i+1].coef > 0? " + ":" ");
    }
    if(p[i].exp == 0)
        printf("%d",p[i].coef);
    return 0;
}
```