

Explorer

PolyLLMai... x

CreateAn... x

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Debugger

```
1  struct polynomial {
2      int coeff;
3      int exp;
4      struct polynomial *next;
5  };
6  typedef struct polynomial *poly;
7
8  poly addTerm(poly head, poly temp) {
9      poly p1=head, p2=head;
10     if(p1==NULL)
11         head=temp;
12     else {
13         while(p1!=NULL && p1->exp>temp->exp){
14             p2=p1;
15             p1=p1->next;
16         }
17         if(p1==NULL)
18             p2->next=temp;
19         else if(p1->exp==temp->exp)
20             p1->coeff=p1->coeff+temp->coeff;
21         else if(p1->exp<temp->exp) {
22             if(p2==p1) {
23                 temp->next=p1;
24                 head=temp;
25             }
26             else {
27                 temp->next=p1;
28                 p2->next=temp;
29             }
30         }
31     }
32     return head;
33 }
34
35 void print(poly head) {
36     while(head!=NULL) {
37         printf("%d.X^%d----> ", head->coeff, head->exp);
38         head=head->next;
39     }
40
41     printf("NULL\n");
42
43 }
```

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