

## 參考解答

```
#include "name.h"
#include <iostream>
using namespace std;

Name *setName(const char *name)
{
    int i,j,k,m;
    enum {without,have}dot;
    Name *someone = new Name;

    dot=without;
    for(i=0;name[i]!=0;i++)
    {
        if(name[i]=='.')
            dot=have;
    }

    if(dot==without)
    {
        for(i=0;name[i]!=' ';i++)
            someone->lastname[i]=name[i];
        someone->lastname[i]=0;

        for(k=0,j=i+1;name[j]!=0;j++,k++)
            someone->firstname[k]=name[j];

        someone->firstname[k]=name[j];
    }
    else
    {
        for(i=0;name[i]!=' ';i++)
            ;
        for(m=0;m<i-1;m++)
            someone->firstname[m]=name[m];
        someone->firstname[m]='\0';

        for(k=0,j=i+1;name[j]!=0;j++,k++)
        {
            someone->lastname[k]=name[j];
        }
        someone->lastname[k]=name[j];
    }
}
```

```
}  
  
    return someone;  
}
```

```
using namespace std;  
#include "initial.h"  
#include <iostream>  
#include <cstring>  
  
char *initial(Name *n)  
{  
    enum{without,have}dash;  
    int i,tmp,tmp_dash;  
    char *abridge=new char [LenFN+LenLN+1];  
    dash=without;  
  
    for(i=0;n->firstname[i]!=0;i++)  
        abridge[i]=n->firstname[i];  
    abridge[i]=',';  
    abridge[i+1]=' '  
    tmp=i+2;  
  
    for(i=0;n->lastname[i]!=0;i++)  
        if(n->lastname[i]=='-')  
            {  
                dash=have;  
                tmp_dash=i;  
            }  
  
    abridge[tmp]=n->lastname[0];  
    abridge[tmp+1]='.';  
  
    if(dash)  
    {  
        abridge[tmp+2]='-';  
        abridge[tmp+3]=n->lastname[tmp_dash+1];  
        abridge[tmp+4]='.';  
        abridge[tmp+5]='\0';  
    }  
    return abridge;  
}
```

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