

Exercise Sheet

12/12

1. 验证下面 C 程序

```
void traverse (struct list * p)
{
    struct list * q = p;
    while (q) {
        q = q->next;
    }
    return;
}
```

2. 验证下面 C 程序

```
int list_max(struct list * p)
{
    struct list * q = p;
    int n = 0;
    while (q) {
        if (q->data > n) {
            n = q->data;
        }
        q = q->next;
    }
    return n;
}
```

3. 验证下面 C 程序

```
int no_zero (struct list * p)
{
    struct list * q = p;
    while (q) {
        if (q->data == 0) {
            return 1;
        }
        q = q->next;
    }
    return 0;
}
```