```
/*
 * George Brecht. "TWO EXERCISES," Fall 1961.
 * Arranged for terminal in C by David W. Speck, 2010.
 */
```

Friday 23 March 2012

```
%:include <stdio.h>
%:include <stdlib.h>
```

Friday 23 March 2012

```
/* Consider an object. */
```

Saturday 24 March 2012

```
typedef struct object {
    int part;
    struct object *object;
} object;
```

Saturday 24 March 2012

```
/* Call what is not the object "other." */
```

Wednesday 28 March 2012

```
int other(int object)
{
    if (object == EOF)
        return getchar();
    else
        return putchar(object);
}
```

Wednesday 28 March 2012

```
int main(void)
```

Thursday 29 March 2012

```
{
```

Thursday 29 March 2012

```
int another;
object *new;
object *object = NULL;
```

Friday 30 March 2012

book closed

Friday 30 March 2012

```
/*
 * EXERCISE: Add to the object, from the "other," another
 *           object, to form a new object and a new "other."
 *
 *           Repeat until there is no more "other."
 */
```

Saturday 31 March 2012

```
while ((another = other(EOF)) != EOF) {
    if ((new = malloc(sizeof(struct object))) == NULL)
        return 1;
    new->part = another;
    new->object = object;
    object = new;
}
```

Saturday 31 March 2012

```
/*
 * EXERCISE: Take a part from the object and add it to the
 *           "other," to form a new object and a new "other."
 *
 *           Repeat until there is no more object.
 */
```

Wednesday 4 April 2012

```
while (object != NULL) {
    if (other(object->part) == EOF)
        return 1;
    new = object->object;
    free(object);
    object = new;
}
```

Wednesday 4 April 2012

```
return 0;
```

Thursday 5 April 2012

```
}
```

Thursday 5 April 2012