

```
1: struct t_data {
2:     unsigned char data[128];
3:     unsigned int length;
4: };
5: typedef struct t_data t_data;
6:
7: struct t_info {
8:     int i;
9: };
10: typedef struct t_info t_info;
11:
12: struct {
13:     xbee_con *conlist;
14:     pthread_mutex_t conmutex;
15:
16:     xbee_pkt *pktlist;
17:     pthread_mutex_t pktmutex;
18:
19:     pthread_t listent;
20:
21:     int shmid;
22:     key_t shmkey;
23:     char *shm;
24:
25:     int ttyfd;
26:     FILE *tty;
27:
28:     char *path;
29: } xbee;
30:
31: #define MAX_PACKETS 1024
32:
33: void *Xmalloc(size_t size);
34: void *Xrealloc(void *ptr, size_t size);
35: #define Xfree(x) Xfree2((void **)&x)
36: void Xfree2(void **ptr);
37:
38: void xbee_listen(t_info *info);
39: unsigned char xbee_getByte(void);
40: unsigned char xbee_getRawByte(void);
41:
42: t_data *xbee_make_pkt(unsigned char *data, int len);
43: void xbee_send_pkt(t_data *pkt);
44: void xbee_destroy_pkt(t_data *pkt);
```