```
#include "DriverDinamicMemoryRTOS.h"
#include "Task1.h"
void ModuleDinamicMemory_initialize( Module_Data_t *obj , uint32_t MaxLength, xQueueSendFCN
xQueueSendFCN, xQueueSendFromI SRFCN xQueueSendFromI SRFCN, xQueueRecei veFCN xQueueRecei veFCN,
xQueueCreateFCN xQueueCreateFCN, pvPortMallocFCN pvPortMallocFCN, vPortFreeFCN vPortFreeFCN,
Add_IncommingFrameFCN Add_IncommingFrameFCN){
    obj ->xMaxStringLength = MaxLength;
    obj ->xQueueCreateFunction =xQueueCreateFCN;
    obj ->xQueueSendFunction = xQueueSendFCN;
    obj ->xQueueSendFromISRFunction = xQueueSendFromISRFCN;
    obj ->xQueueRecei veFuncti on = xQueueRecei veFCN;
    obj ->pvPortMallocFunction = pvPortMallocFCN;
    obj ->vPortFreeFunction = vPortFreeFCN;
    obj ->Add_IncommingFrameFunction = Add_IncommingFrameFCN;
void ModuleDinamicMemory_send( Module_Data_t *obj ,uint8_t lsr, long * const xHigherPriorityTaskWoken
, char* pbuf ,char * XpointerQueue, uint32_t portMaxDelay){
    static char* PcStringToSend = NULL;
    if (PcStringToSend == NULL) PcStringToSend = obj->pvPortMallocFunction( obj->xMaxStringLength );
    if(PcStringToSend != NULL) strcpy(PcStringToSend , pbuf);
    /*Si uso el enviar en una isr*/
    if(lsr) obj->xQueueSendFroml SRFunction(XpointerQueue, &PcStringToSend, xHigherPriorityTaskWoken, 0
    );
    el se
         obj ->xQueueSendFunction(XpointerQueue, &PcStringToSend, portMaxDelay, 0);
}
void ModuleDinamicMemory_send2( Module_Data_t *obj ,char *PcStringToSend, uint8_t lsr, long * const
xHigherPriorityTaskWoken, char* pbuf, char * XpointerQueue, uint32_t portMaxDelay){
    if(PcStringToSend != NULL) strcpy(PcStringToSend ,pbuf);
    /*Si uso el enviar en una isr*/
    if(Isr) obj->xQueueSendFromISRFunction(XpointerQueue, &PcStringToSend, xHigherPriorityTaskWoken, 0
    );
    else obj ->xQueueSendFunction(XpointerQueue ,&PcStringToSend,portMaxDelay, 0);
}
char* Modul eDi nami cMemory_recei ve(Modul e_Data_t *obj ,char * Xpoi nterQueue, ui nt32_t portMaxDel ay){
    char* pbuffer; /*Dato recibido*/
    obj ->xQueueRecei veFuncti on(Xpoi nterQueue , &pbuffer, portMaxDel ay );
    return pbuffer;
}
void ModuleDinamicMemory_Free(Module_Data_t *obj , char *ultimo_mensaje){
    obj ->vPortFreeFunction(ul ti mo_mensaj e);
}
```