addRecord (pointer to record start, array uname, array uaddr, int uyob, array utelno)

Define a *<pointer to record>* called *<current>*

copy  *<start>* into the *<current>*

if (*<current>* is not  *NULL*):

> while (the *<next field of the record whose address is in current>* is not  *NULL*):
> > copy *<next field of the record whose address is in current>* into the *<current>*

> *A*llocate space for a new record and store its address in the *<next field of the record whose address is in current>*
> copy *<next field of the record whose address is in current>* into the *<current>*

*else:*
> Allocate space for a new record and store its address in the *<start>*
> copy  *<start>* into the *<current>*


Copy *<NULL>* into the *<next field of the record whose address is in current>*
Copy the *<uname array>* into the *<name field of the record whose address is in current>*
Copy the *<uaddr array>* into the *<addresss field of the record whose address is in current>*
Copy the *<uyob int>* into the *<yearofbirth field of the record whose address is in current>*
Copy the *<utelno array>* into the *<telno field of the record whose address is in current>*

deleteRecord (pointer to record start, array uname)

Define a *<pointer to record>* called *<current>*

Define a *<pointer to record>* called *<temp>*

copy  *<start>* into the *<current>*


while (*<current>* is not  **NULL**):

    if   (*<name field of the record whose address is in current>* is *<uname array>):*

        if (<current> is <start>):
            copy *<next field of the record whose address is in current>* into the *<start>*
            Delete the record whose address is in *<current>*
            copy  *<start>* into the *<current>*

        else:

            copy *<next field of the record whose address is in current>* into the *<next field of the record whose address is in  temp>*
            Delete the record whose address is in *<current>*
            copy  *<next field of the record whose address is in  temp>* into the *<current>*


    else*:*
        copy *<current>* into the *<temp>*
        copy *<next field of the record whose address is in current>* into the *<current>*