```
/*

ARRAY BASED LIST
*/



#include<iostream>
#include<string>
using  namespace std;

class list{
private:
        int *arr; //will be used to initialize an empty list and will
always point to the first position.
        int size; //total capcity of the list
    int len; //number of current elements in the list
    int *current; //pointer to point the current position
    int *temp; //can be used for temporary works
public:

    //Constructor for initializing List
    //You can initialize size to any value
        list(){

        }


    //overloaded constructor
    //user will pass decided the size of the list
    list(int userSize){

    }

    //Deep Copy Constructor
    //write code to create a new list and copy elements of the list
passed in the parameter
        list(list& othrList){


        }


    //Clear Or Empty the List
        void clear(){


        }


    //Insert a Value at Specific Position
        void insert(int value,int pos){


        }
```

```
    //Insert the given value in the list at the next available
position
    void insert(int value){

        }


    //Remove a value at specific position
        void remove(int pos){



        }



    //Get value stored at a specific position
        int get(int pos){

        }

    //Update Existing value at a position
        void update(int value,int pos){


        }


    //Find a value in the list
        bool find(int value){


        }


    //Return Current Length of the list
        int length(){

        }


    //Move to starting position of the list
        void start(){

        }

    //Move to the end of the list
        void end(){

        }


    //checks whehter the list is completely filled or not
    bool isFull(){

    }
```

```
    //checks whehter the list is completely empty or not
    bool isEmpty(){

    }

};

void main(){



        system("pause");
}
```