

```

/*
Assignment 2
Roll Number:
Name:

*/
#include<stdio.h>
#include<string.h>
#include<stdlib.h>

int main(){
    char choice, numberPlate[7];
    _Bool requests = 0;

    // Fetching till we hit the first request
    while(scanf("%s",numberPlate)!=-1){
        if(!requests){
            if(strlen(numberPlate) == 1){ // Detecting start of request
lines.
                choice = numberPlate[0];
                requests = 1;
            }
            else{
                // *** Call your insert function here with argument
numberPlate ***
            }
        }
        else break; // choice and numberPlate have values to be
processed!!
    }

    do{ // Ugly do-while to process first request line before first
scanf.
        if(choice == 'S'){
            //*** Call your search function here with argument numberPlate
***
        }
        else if(choice == '<'){
            //*** Call your predecessor function here with argument
numberPlate ***
        }
        else if(choice == '>'){
            //*** Call your successor function here with argument
numberPlate ***
        }
    }while(scanf("%*[\n]%c %6s",&choice, numberPlate)!=-1);
    return(0);
}

```