```
people('Exercise5_DataBase.mat', 'list');
Name : Jack
            Age : 18
Name : Amy Age : 20
Name : Tom Age : 21
Name: Michael Age: 17
Name : Linda Age : 18
Name: Ryan Age: 19
Name: Jimmy Age: 18
Name: Betty Age: 20
Name: Brook Age: 21
Name: Alan Age: 23
people("Exercise5_DataBase.mat","insert",'Zhiying Li',20);
people('Exercise5_DataBase.mat', 'list');
Name : Jack
            Age : 18
Name : Amy
           Age : 20
Name : Tom
           Age : 21
Name: Michael Age: 17
Name: Linda Age: 18
Name: Ryan Age: 19
Name: Jimmy Age: 18
           Age : 20
Name: Betty
Name: Brook
           Age : 21
Name: Alan Age: 23
Name: Zhiying Li
                Age : 20
people("Exercise5_DataBase.mat", 'remove', 'Tom',21);
people('Exercise5_DataBase.mat', 'list');
Name : Jack
            Age : 18
Name: Amy
           Age : 20
Name: Michael Age: 17
Name: Linda Age: 18
Name: Ryan Age: 19
Name: Jimmy Age: 18
Name: Betty
           Age : 20
Name: Brook
           Age : 21
Name: Alan Age: 23
Name: Zhiying Li
                Age : 20
people("Exercise5_DataBase.mat", "insert", 'Joe', 24, 'Ella', 28);
people('Exercise5_DataBase.mat', 'list');
Name : Jack
            Age: 18
Name : Amy
           Age : 20
Name: Michael Age: 17
Name: Linda Age: 18
Name: Ryan Age: 19
Name: Jimmy Age: 18
Name: Betty
           Age : 20
Name: Brook
           Age : 21
Name: Alan Age: 23
Name: Zhiying Li Age: 20
Name : Joe Age : 24
Name : Ella
           Age : 28
people("Exercise5_DataBase.mat", "reset")
people('Exercise5_DataBase.mat', 'list');
```

```
function people(db_file, varargin)
if ~exist(db file, 'file')
    student = struct('Name', {}, 'Age', {});
else
    load(db_file);
end
mode = varargin{1};
switch mode
    case 'reset'
        student = struct('name', {}, 'age', {});
        save(db_file, 'student');
    case 'list'
        for i = 1 : numel(student)
            disp(['Name: ' student(i).name ' Age: ' num2str(student(i).age)]);
        end
    case 'insert'
        for j = 2:2:numel(varargin)
            insert_name = varargin{j};
            insert_age = varargin{j+1};
            insert_information = struct('name', insert_name, 'age', insert_age);
            student(end+1) = insert_information;
        end
        save(db_file, 'student');
    case 'remove'
        for k = 2:2:numel(varargin)
            remove name = varargin{k};
            remove_age = varargin{k+1};
            remove_idx = find(strcmp({student.name},
remove_name)&[student.age]==remove_age);
            if ~isempty(remove idx)
                student(remove_idx) = [];
            end
        end
        save(db_file, 'student');
end
end
```