Develop the C application having the following requirements regarding some investment projects.

1. Define the structure **Project** having the following fields: project id (**unsigned int**), project title (**char***), project customer (**char***), number of executants **(unsigned char)**, project budget **(float)**.

   Create a double list containing data of 5 projects at least.

2. Write the C function returns the investments of a certain project customer. The budgets allocated by the specified customer are considered according to the data stored by the above double list. The function must be called by the function **main()**, and the function result is printed out into console application. **(0,5 p)**

3. Write the C function increases the number of executants for those projects having the budget over a threshold provided into function parameter list. Also, the increase will be computed based on a percent provided into function parameter list. The function must be called by the function **main()**, and the double list is printed out into console application by parsing it both ways after project changes. **(0,5 p)**

4. Write the C function creates and returns an array of pairs **(project title, project budget)** for those projects having the same customer provided into parameter list. The data project source is the above double list. The function must be called by the function **main()**, and the array of pairs is printed out into console application. **(1,0 p)**