



Simple programs in C QR_COD_09



Create a simple program in the C programming language that corresponds to the information below

Use the same gitHub repository as in the previous work order (e.g. Musterperson_QR_COD)

Create a folder for each program in your repository – e.g. SamplePerson_QR_COD_Program_1.

Be sure to use the Microsoft Visual Studio development environment

Please use the previously created project folder with the name YourName_QR_COD for all programs of this work order.

For each subtask, create a separate project in the project folder with the name YourName_QR_COD_X, where x is the number of the respective task)



Managing a simple contact list

Create a C program that allows easy management of a contact list. The program should be able to store and display basic information such as names and phone numbers.

Requirements:

Use structure:

Define a structure 'Contact' that has the following properties:

char name[50]: Name of the person

char phone [15]: Phone number of the person

Collect data:

Create a function 'AddContact' that captures a new contact and stores the data in an array.

The program should be able to store a maximum of 20 contacts.



Show contacts:

Create a function 'ShowContacts' that displays all saved contacts with their details on the screen.

Menu and interaction:

Create a simple menu system that provides the user with the following options:

1. Add contact
2. Show all contacts
3. Exit the program

Notes:

Use arrays to store contact information.

Add simple input validations, e.g. making sure the name and phone number are not empty.

Structure the code clearly and make sure to use clear comments.



Supporting links:

- www.w3schools.com
- www.c-howto.de



Diploma:

Upload your created file to the repository.



5 teaching units

Evaluation:

Submission and peer feedback from participants and trainers