

## Contracts (C)

The purpose of this exercise is to write contracts for a simple stack in C.

*Note : Follow the instructions, keep the structure of the folders, do not rename files, use already provided functions and macros, do not rename provided functions and macros*

### Question 1 (Go to the stack folder)

Build and run the application using Alire.

```
alr build
```

```
alr run
```

What is/are the problem[s] in stack.c ?

Provide your answer in the file answers.txt in the stack folder

### Question 2 (Go to the stack\_defensive folder)

Write a defensive implementation in stack\_defensive.c following the provided instructions in stack\_defensive.c.

### Question 3 (Go to the stack\_contract folder)

Write a contract based implementation in stack\_contract.c using macros defined in contracts.h