CS110: Computer Programming Lab
Department of CSE
IIT, Guwahati

Module 04 Stage 02 Exercise 21

Assessment exercises are designed to help us check if the student has learned the basics of the topics included in the drill instructions. However, a drill assessment is not a comprehensive assessment. A fuller and complete assessment aimed at determining the course grades will be done through CS110 examinations.

It is expected that the student will attempt and solve many more exercises from the drill assessment sets to improve their programming skills and for an excellent performance at the examinations.

Exercise

1. Write tests-first suite for the class `stack` described in the training drill.
2. Implement the interface `stack.h` as file `stack.c`.
3. Verify that your codes in part 1 and 2 above work correctly.

Interface Stack

```
#ifndef STACK_H_INCLUDED
#define STACK_H_INCLUDED

/* Returns a reference to a new stack */
void * mkStack(void);

/* Removes empty stack specified by a valid reference */
int rmStack (void *);

/* Place a new entry into stack */
void push (void * stackP, void * objP);

/* Returns reference to the most recent arrival in stack*/
void * pop (void * queueRef);

#endif // STACK_H_INCLUDED
```