Abstract Data Types ADT: Stack

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CS515

Stack ADT

```
// create stack
void create(stack *s);
// push a char into stack
void push(stack *s, char x);
// pop the top of the stack
char pop(stack *s);
// return the top of stack, without popping
char peek(stack *s);
// is the stack empty?
int isEmpty(stack *s);
// return the size of the stack
int getSize(stack *s);
```

Task 2

- Create a stack ADT. The stack could be created using an array-based library or a list-based library. This should be specified at the time of building the binary.
- Use a common driver program to illustrate the working of both stack implementations.
- Your code should have the following files:
  - `stack.h`, `stackapp.c`, `stackll.c`, `driver.c` (main pgm is in this file), `Makefile`
- Submit as stackadt_rollnum.tgz