Copy #2 of Data Structures Lab Quiz-4

This quiz is based on matrices and stack operations

Question Prompt: 1

Total Points: 2

Matrix a : 1 2 3 4 5 6 7 8 9 j=0; sum = 1; for(i=0;i<3;i++) sum=sum+a[i][j]; printf("%d", sum); What is the output:

- [ ] 12
- [x] 13
- [ ] 15
- [ ] None

Question Prompt: 2

Total Points: 2

Matrix a : 1 2 3 4 5 6 7 8 9 j=0; sum = 1; for(i=0;i<3;i++) sum=sum+a[j][i]; printf("%d", sum); What is the output:

- [x] 7
- [ ] 6
- [ ] 15
- [ ] 18

Question Prompt: 3

Total Points: 2

top=0; pop(); What will be the action.

- [ ] No elements in stack, therefore stack underflow
- [ ] Error
- [x] Pop the last element and then reach underflow state
- [ ] Delete the element and top increments to delete the next element

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Question Prompt: 4

Total Points: 2

top= -1 ; push(5); What action will be performed?

- [x] Push 5 into the stack
- [ ] Stack underflow message is prompted
- [ ] Stack overflow message is prompted
- [ ] Cannot push element because top has reached -1 position.

Question Prompt: 5

Total Points: 2

for(i=top; i>=0; i--) printf("%d \n", stack[top]); What will be the output?

- [ ] Display all the elements of the stack from top position
- [ ] Display all elements of stack from bottom to top.
- [ ] Display only the top most element once
- [x] Display the top most elements for the number of times equal to number of elements in the stack.
