

## Week 12: Data Structures and Algorithms

<b>Stack</b>	Q1 5 + 5 + 5	Q2 5 + 5 + 5	Total 30
--------------	-----------------	-----------------	-------------

Q1) Write a **program** that implements the following:

S. No.	Program Details	Marks
1	Implement a stack using the following: [1] push (x). [2] pop (x). [3] necessary structure definition and global pointers.	(5) (5) (5)
2	A main( ) function that calls upon the user a series of actions that he/she would like to do:- [1] push (x) [2] pop (x) [3] end – stop the process.	(5) (5) (5)

### Rubrics (Associated Marks)

S. No.	Content	Meets Criteria (1)	Marks	Does not meet expectations (0)	Marks
1	Indentation	Perfect	100%	Code not indented properly	0
2	Code works	Code compiles and executes properly for any variable sized matrices	100%	Code has errors	Based on the code
3	Comments	Code is properly commented	100%	Code is not properly commented.	0