Declare a **template class Stack** which will follow LIFO (Last In First Out) algorithm.

Below are the details for data members and member functions of class Stack.

Members:

Data Member	Data Type	Description
size	Integer	It is size of a stack. That is, number of elements a stack can hold
top	Integer	It is the index of topmost element of the stack
arr	Pointer of generic data type T	It is the pointer pointing to elements of Stack

Functions:

Member Function	Arguments	Return Type	Description
Default Constructor	NA	NA	Initializes size to 5, top to -1 and allocates memory for pointer arr
Parameterized Constructor	Integer for size	NA	Initializes stack to user defined size, top to -1 and allocates memory for pointer arr
push	Element of type T	void	Pushes element of Stack
pop	NA	Element of type T	Removes element from top of the Stack
peep	NA	Element of type T	Returns element from top of stack but, do not remove it
isfull	NA	bool	Returns true if Stack is full else it returns false
isempty	NA	Bool	Returns true if Stack is empty else it returns false

Please refer file **"bitmap.h"** to see the declaration of class Stack

Please note that, you are required to edit code in file **"bitmap.cpp"** to complete definitions of functions for above mentioned requirements.

You are not required to implement function "main".