DE GUZMAN, MARY RECHELLE

BSIS202

The main method starts by creating a Scanner object for reading user input and a Stack object to hold Integer values.

After that, it enters an infinite loop (while (true)), in which a menu of choices is shown to the user regularly. The choices are "Push" to the top of the stack "Pop" to remove the top element "Print" to Show all elements stack "Top" to Display the top element of the stack.

Using scanner.nextInt(), the user's choice is read, and a switch statement is used to take the appropriate action based on it.

The program asks the user for an integer to push onto the stack in the "Push" case. It then, at that point, pushes this number onto the stack using the push method and informs the user that the operation was successful.

In the 'Pop' case, the program checks if the stack is empty using the isEmpty. If it's not unfilled, it pops the top component from the stack utilizing the pop strategy and presentations the popped component. On the off chance that the stack is unfilled, it informs the user that a pop activity can't be performed.

In the 'Print' case, the program checks if the stack is empty. If it's not, it prints all the elements in the stack. If it is, it informs the user that the stack is empty.

The program uses the peek method to display the top stack element in the "Top" case.

The loop repeats, displaying the menu to the user again.