

Stack Implementation

USN - 1BM19CS201

Mazin Salim

A) pseudocode for Implementation program

push (int n)

{

if (top == SIZE - 1)

{

printf("Stack is Full. Insertion is not possible! \n\n");

}

else

{

top++;

stack[top] = n;

printf("Insertion Successful \n\n");

pop()

{

if (top == -1)

{

printf("Stack is empty. Deletion not possible \n\n");

}

else

{

printf("Deleted: %d \n\n", stack[top]);

top--;

}

display()

{

if (top == -1)

{

printf("Stack is empty \n\n");

}

else

{

int i;

printf("Stack elements are: \n\n");

for (i = top; i >= 0; i--)

printf("%d \n", stack[i]);

}

}