Parth Nikam 20070123120 E&TC – B3

Aim: - Studying and coding on stack.

Objective: - To perform push, pop, and peek operations on stack in C language

Code: -

Stacks	ELTC-B3 20070123120 Camlin Page Parth Nilcom
# include (stdio.h) #include (stdlib.h)	
# define MAX = 5	)
int top = -1, stack EMAX  Void push (Void);  Void pop (Void);  Void display (Void);	1);
printf("\n\n1.Pu printf("\n Enter	Stack Menu ***"); sh\n2.Pop\n3.Display\n4.Exit"); your choice (1-4): ");
Scanf ("./.d", 4c  Switch (ch) {  (ase 1: push (  break;  case 2: pop(	);
break;  case 3: disple  break;	λy(); , (ο);
default: prin	tf ("In Wrong Choice!");

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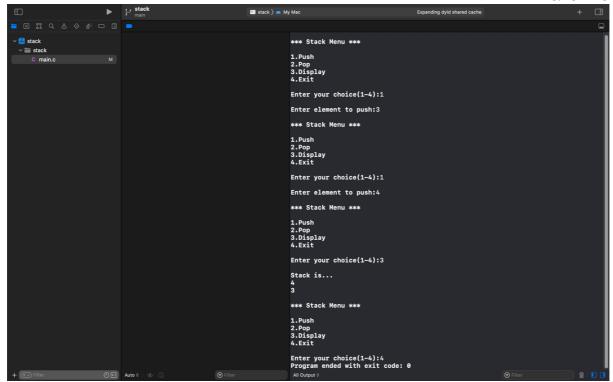
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              Stacks
Void push () {
     if (top = MAX-1) {
          printf ("In Stack is fall!");}
          Scanf (" Y.d", & val);
          top = top+1;
         Stack [top] = Val;
Void pop() {
    if (top ==1) {
           printf (" Stack is empty!");
           printf ("In Deleted element is 1.d", stack (top));
          top = top-1;
void display() {
         printf("InStack is empty!");
      else ?
          printf ("In Stack is ... \n");
          for ( i= top; i>=0; -- i) {
             printf (" 1.d In", stack Ci]);
```

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Screenshot: -

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Result: - Stack is a linear data structure that follows a particular order in which the operations are performed. The order may be LIFO (Last in First Out) or FILO (First in Last Out). It was studied, analyzed, and understood.