

## FACULTY OF ENGINEERING ELECTRICAL AND COMPUTER ENGINEERING DEPARTMENT

LINUX LABORATORY: ENCS3130

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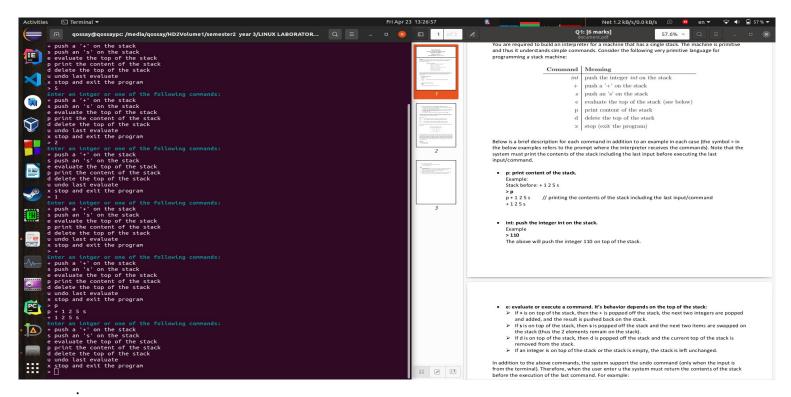
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Section: 2

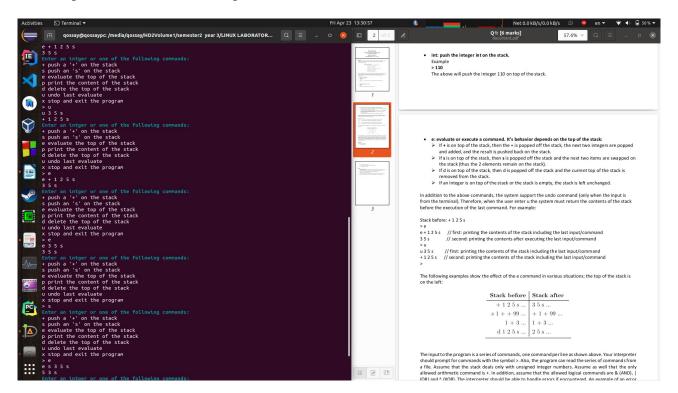
first i implemente emty array to add elemants in second write to founction pop to remove frome stack and pouh to add to stack and stackTop function tp get the last elemant enter to stack and stackSize fun to get the size of arry start from1 then stackPrint fun thant print elemant in array as stack from last elemant in array to index 0

then we enter while loup and print the lest and then do all function in project

## **Examples:**-

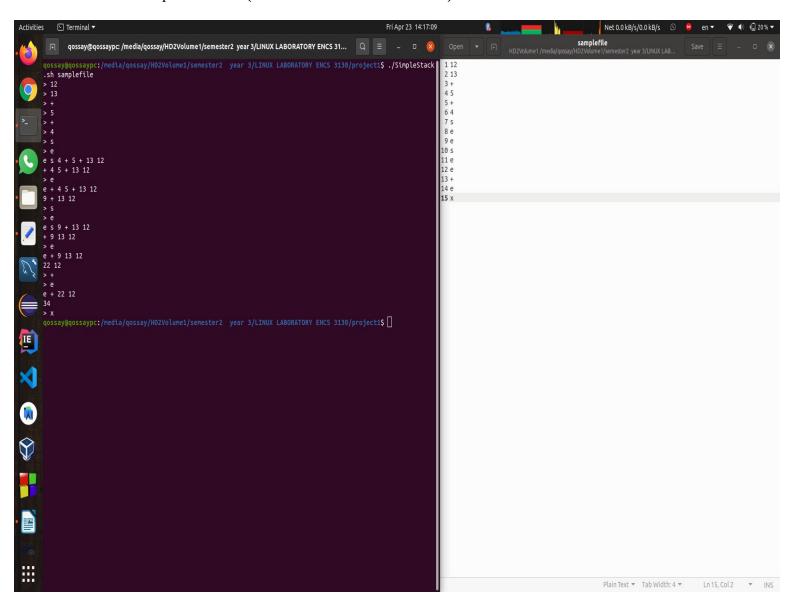


In this exmple we insert into the stack s  $\rightarrow$  5  $\rightarrow$  2  $\rightarrow$  1  $\rightarrow$  + then we print the stack ass enter "p"



then we enter e to do the function + which add 1 and 2 then the stack become 3 5 s then we enter e but nothing happen becouse no function there just number so we enter s the stack now s35s and then enter e to do the function s so thant the stack now 5 -> 3 -> s

another example from file (the file is with code substution)



we read to the stack from file 12 > 13 > + > 5 > + > 4 > s (when read "e" do the function) so s swapp stack now 12 > 13 > + > 5 > 4 > + then read e so stgack now do fun'+' 12 > 13 > + > 9 then read s then read e so that we will do fun's' stack now 12 > 14 > 9 > + after thant read e so do fun '+' stack now 12 > 22 after that read + after that read e so do '+' stack now 34 then read x so exit