

# OS lab task

## Message passing

1. Consider the following user input from the sender side

1	3	2	3	3	1	3	2	3	1	3	2	3	1	3	2	3	1	3	2
U	D	F	I	S	N	C	A	I	I	P	I	L	T	I	T	N	Y	E	H

- a. There are three type of packets 1 2 3 each containing only a single character
  - b. These packets are inserted from left to right. The left most packet in the message passing queue sequence is inserted first and the right most packet is insert last
  - c. HINT: To make things easy, hardcode the above queue sequence in single sender.c file by copying and pasting sbuf.mtype input , sbuf.mtext input and msgsend() statements
2. Modify the receiver.c code in such a way so that you get the following output  
  
UNITY  
FAITH  
DISCIPLINE  
  
    - a. Please not that UNITY , FAITH and DISCIPLINE are on the separate lines in the output
    - b. CONDITIONS: You are only allowed to use single infinite while loop to get the above output at the receiver end
  3. You need to submit sender.c , receiver.c and screenshot of the output