

# Real Time Group

מרכז להכשרות מקצועיות והשמה בתעשיית ההייטק

## LESSON 12 – Pipes

### Question 1

Write a program which creates 2 threads; synchronize the 2 threads using a pipe

WriteThread() – write a stream to the other thread

ReadThread() – reads the stream from the other thread to the screen.

### Question 2

Do question 1 using parent and child processes instead of 2 threads (use pipes to synchronize the 2 processes as well).

### Question 3

Write a program which sends a message within a loop.

creates 2 threads, synchronize the 2 threads using a pipe

Thread1() – reads the stream sent from thread2 and writes it to thread2 again

Thread2 () – reads the stream sent from thread1 and writes it to thread1 again.

### Question 4

Do question 3 using parent and child processes instead of 2 threads (use pipes to synchronize the 2 processes as well).

### Question 5

Do question 3 using 2 different child processes (use fork() twice from the same parent).

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