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EC527: Assignment 5

**Task 1: test\_generic.c**

Using the following code, ArrayA can print the float values.



**Task 2: test\_create.c base code**

The output from the base code is given below. The id’s on the thread have definitely changed:







**Task 3: change id to be a pointer**

Using the following code, this is achieved:



**Task 4: sleep(3)**

Code for work:



The output is a single line stating:

main() after creating the thread. My id is 140664013453056

with different id values. The child threads do not print anything. This is happening because the main thread terminates before the child threads reach the print statements. This causes them to also be terminated.

**Task 5: sleep(3) in main**

Code has been changed to:



This causes all the thread statements to be printed, as well as the main thread statement. Execution terminates 3 seconds after the last statement. This happens because all the threads now have time to finish executing.

**Task 6:**

**Task 7:**

**Task 8:**

**Task 9:**

**Task 10:**

**Task 11:**

**Task 12:**

**Task 13:**

**Task 14:**

**Task 15:**

**Task 16:**

**Task 17:**

**Task 18:**