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BS AI

**Task no 01**

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| · This program **creates two threads** that execute the print\_message function.  · The print\_message function **checks two numbers**—if both are 10, it performs **addition**; otherwise, it performs **subtraction**.  · First, thread1 runs, and **after it completes**, thread2 starts.  · The benefit of **multithreading** is that multiple tasks can **run simultaneously**.  · If both threads need to **run together**, pthread\_create should be called for both first, followed by pthread\_join. |

**Code**

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**Output**

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**Task no 02**

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| Write a program in c to print your first name, last name and your roll number using threads. |

**Code**

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**Output**

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**Task no 03**

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| Write a C program that finds the sum of all elements in an array using two threads. • The first thread should sum the first half of the array. • The second thread should sum the second half of the array. • The main function should print the final sum after both threads complete their execution. |

**Code**

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**Output**

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