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|  | | PDC Lab 03 | | | | |  | |
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|  | | | | 10 October 2022—Parallel Distributed Computing—Mis Nausheen |  | | | |
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Question#01:

Parallel: tells the compiler to parallelize the selected block of code.

Single/Master: Single clause specifies that the selected block can only be executed by a single thread(not necessarily the master thread) while master identifies a section of code that must be run only by the master thread.

Atomic: restricts the execution of the associated block with a single thread at time.

Reduction: Perform reduction on the scaler variables that are included in the variable-list with the operator.

OpenMp API Calls: used to call OpenMP API runtime library routines

Question#03:

#pragma omp parallel for scheduling(dynamic,chunck\_size)

#pragma omp parallel for scheduling(static,chunck\_size)

Chunk size can be used to specify granularity as it defines how many iterations or tasks would be performed by each thread.