**IT301 – Parallel Computing**

Assignment – 1

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1. Finding number of CPU s in system
   1. Text

      Description automatically generatedlscpu command

Text

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Text

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* 1. Run top or htop command to obtain the number of CPUs/cores in Linux

A picture containing text

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* 1. Graphical user interface, text

     Description automatically generatedExecute nproc and print the number of CPUs available on Linux

1. Write a C/C++ simple parallel program to display the thread\_id and total number of threads.

Text

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Using OMP\_NUM\_THREADS

Text

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Using num\_threads()

Text

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Using omp\_set\_num\_threads()

1. Check the output of following program and note down the output in your observation book.

Text

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1. Observe and record the output of following program

Text

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