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Department of Information Technology
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BS (Data Science) Part-III
DASC- 523 Parallel and Distributed Computing

LAB # 2 - Implementing Hello World in OpenMP

Lab Objective: To understand and work with the core syntax of OpenMP for multithreaded programming.

Task - Write a multithreaded program that prints “Hello World” from each thread.

```
#include <omp.h>
#include <stdio.h>

int main() {
    omp_set_num_threads(16);

    #pragma omp parallel
    {
        int tid = omp_get_thread_num();
        int nthreads = omp_get_num_threads();
        printf("Hello World from thread %d / %d\n", tid, nthreads);
    }
    return 0;
}
```