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COURSE NAME: DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS

COURSE CODE: CSA0302

Experiment 5: Factorial without Recursion

CODE:

```c
#include <stdio.h>

int main() {
    int n, i;
    long long fact = 1;
    printf("Enter a number: ");
    scanf("%d", &n);
    for(i = 1; i <= n; i++) {
        fact *= i;
    }
    printf("Factorial of %d = %lld", n, fact);
    return 0;
}
```

OUTPUT:

```
Enter a number: 5
Factorial of 5 = 120

=== Code Execution Successful ===
```