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COURSE NAME: DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS

COURSE CODE: CSA0302

Experiment 5: Factorial without Recursion

CODE:

```
#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 ===
```