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COURSE NAME: DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS

COURSE CODE: CSA0302

Experiment 6: Factorial with Recursion

CODE:

```c
#include <stdio.h>

int fact(int n) {
    if(n == 0 || n == 1)
        return 1;
    else
        return n * fact(n - 1);
}

int main() {
    int n;
    printf("Enter a number: ");
    scanf("%d", &n);
    printf("Factorial of %d = %d", n, fact(n));
    return 0;
}
```

OUTPUT:

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

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