

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

```
unsigned long long factorial(int n) {
```

```
    unsigned long long result = 1;
```

```
    for (int i = 1; i <= n; ++i) {
```

```
        result *= i;
```

```
    }
```

```
    return result;
```

```
}
```

```
int main() {
```

```
    int num;
```

```
    printf("Enter the number for factorial: ");
```

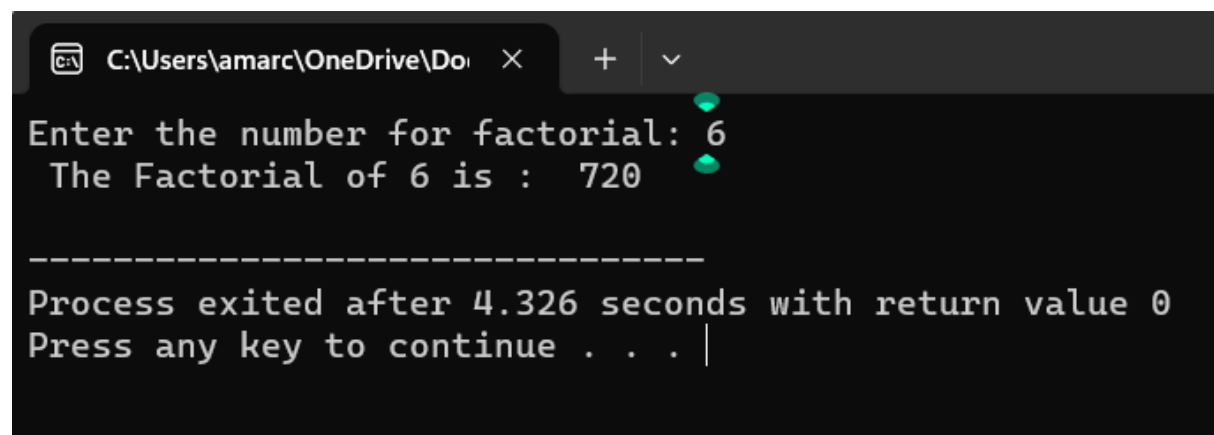
```
    scanf("%d", &num);
```

```
    unsigned long long fact = factorial(num);
```

```
    printf(" The Factorial of %d is : %llu\n",num,fact);
```

```
    return 0;
```

```
}
```



The screenshot shows a Windows command prompt window with a dark background. The title bar at the top indicates the file path 'C:\Users\amarc\OneDrive\Do...'. The prompt displays the program's output: 'Enter the number for factorial: 6' followed by 'The Factorial of 6 is : 720'. Below this, a separator line is shown, followed by the message 'Process exited after 4.326 seconds with return value 0' and 'Press any key to continue . . . |'. Two green circular cursors are visible on the right side of the input '6' and the output '720'.