

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

```
int fact(int n)
```

```
{
```

```
    if (n == 0)
```

```
        return 1;
```

```
    return n * fact(n-1);
```

```
}
```

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter the value of n \n");
```

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

```
    printf("The factorial of %d = %d \n", n, fact(n));
```

```
    return 0;
```

```
}
```