

```
/** Program to Find Factorial of a Number using Recursion **/
```

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

```
long fact(int);
```

```
main()
```

```
{
```

```
    int n;
```

```
    long f;
```

```
    printf("\nEnter number to find factorial: ");
```

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

```
    f = fact(n);
```

```
    printf("\nFactorial: %ld", f);
```

```
    getch();
```

```
}
```

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

```
{
```

```
    int m;
```

```
    if (n == 1)
```

```
        return n;
```

```
    else
```

```
    {
```

```
        m = n * fact(n-1);
```

```
        return m;
```

```
    }
```

```
}
```