

```
/*Yogesh Agarwala_EE19B130*/
```

```
/*This is a program to find factorial of a number*/
```

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

```
int main()
```

```
{
```

```
    int n,i;
```

```
    unsigned long long factorial=1;
```

```
    printf("Enter an integer");
```

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

```
    //sanity check; error if n is -ve
```

```
    if(n<0)
```

```
        printf("Error: Factorial of negative numbers does not exist");
```

```
    else
```

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

```
            {
```

```
                factorial *=i;
```

```
            }
```

```
            printf("Factorial of %d=%llu", n, factorial);
```

```
        }
```

```
    return 0;
```

```
}
```