```
Start

int power = 0
int n = 1
int base = 3

End
```
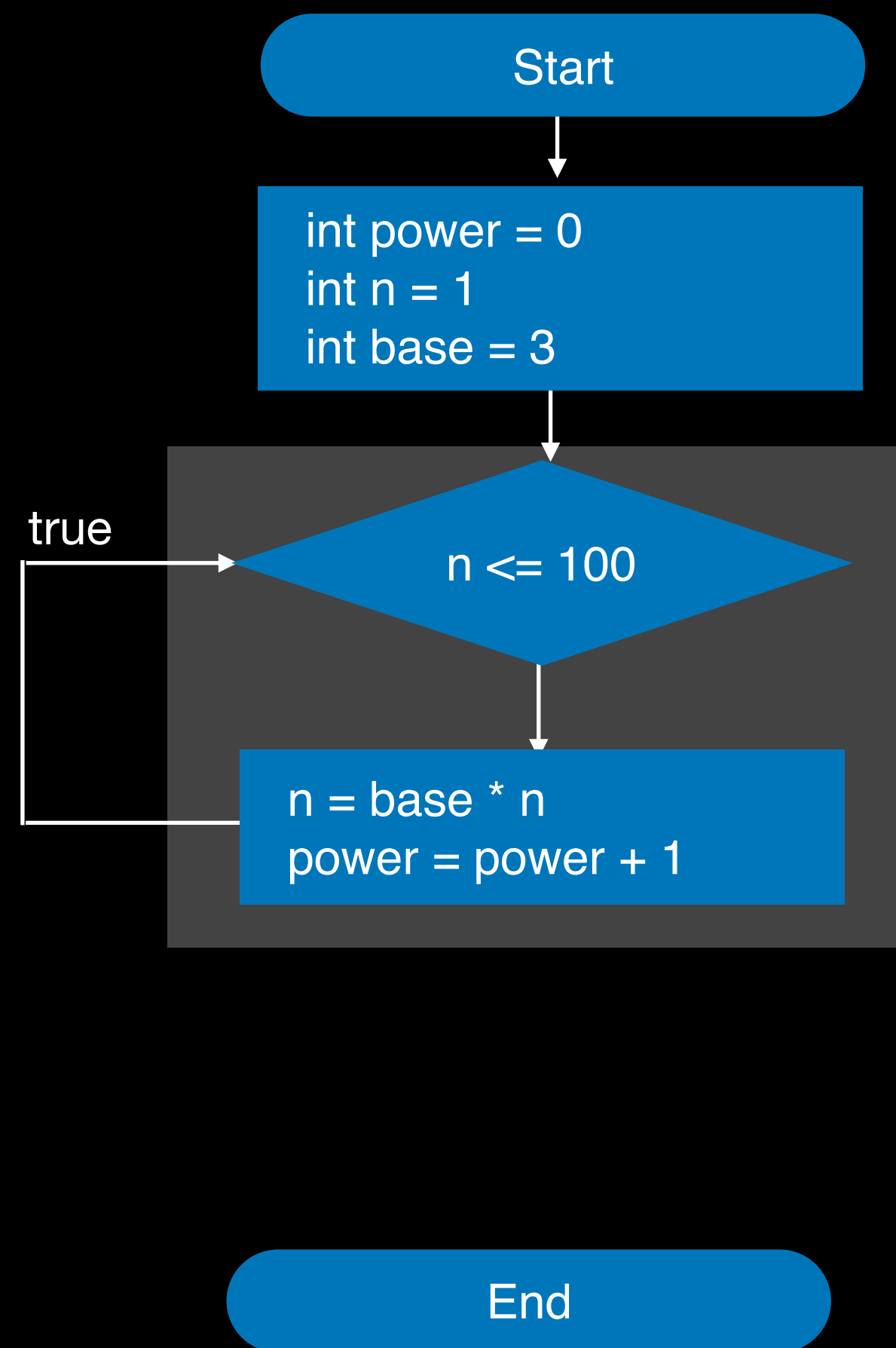
```java
public class Main {
    public static void main(String[] args){
        int base = 3;
        int power = 0;
        int n = 1;



    }
}
```

```
Start
    │
    ▼
int power = 0
int n = 1
int base = 3
    │
    ▼
true ──► n <= 100
    ▲        │
    │        ▼
    └── n = base * n
        power = power + 1

End
```

```java
public class Main {
    public static void main(String[] args){
        int base = 3;
        int power = 0;
        int n = 1;
        while(n <= 100){
            n = base * n;
            power = power + 1;
        }

    }
}
```