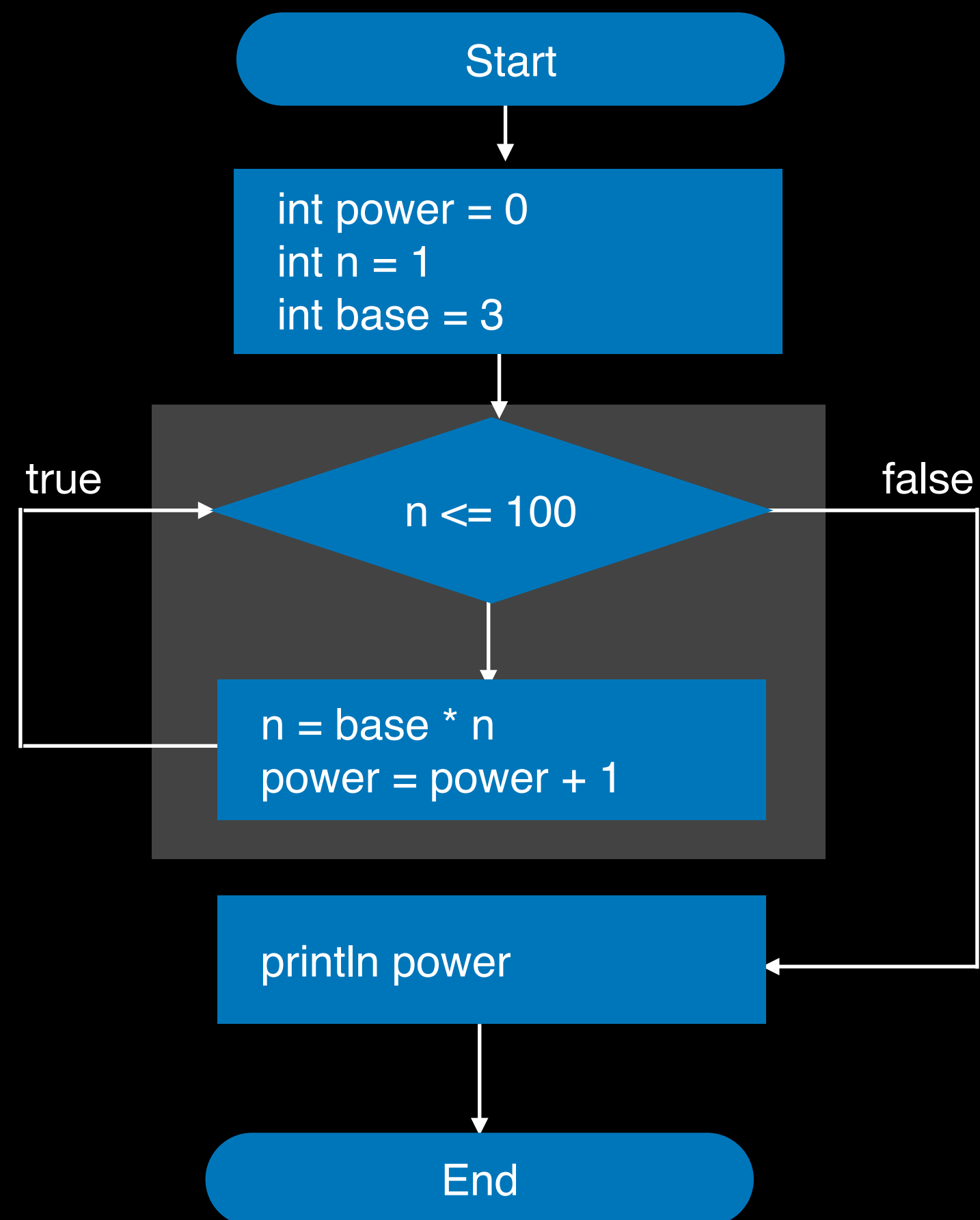


```
public class Main {  
    public static void main(String[] args) {  
        int base = 3;  
        int power = 0;  
        int n = 1;  
        while (n <= 100) {  
            n = base * n;  
            power = power + 1;  
        }  
    }  
}
```



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            n = base * n;  
            power = power + 1;  
        }  
  
        System.out.println(power);  
    }  
}
```