

1T-2201*

Q2. Is calling a method from an interface slower than from an abstract class.

⇒ No. Not significantly in modern Java (JDK 7+) there is no real performance difference in most use cases.

Unless you're calling millions of methods inside tight loops and benchmarking nanoseconds, the difference is negligible.

Ex:

```
interface Flyable {
```

```
    void fly();
```

```
}
```

```
abstract class Bird {
```

```
    void eat();
```

```
    System.out.println("Eating...");
```

```
}
```

```
abstract void makeSound();
```

```
}
```

17-22-10
class Sparrow extends Bird implements Flyable {

public void makeSound() {

System.out.println("Chirping");

}

public void fly() {

System.out.println("Flying high");

}

}

class Penguin extends Bird {

public void makeSound() {

System.out.println("Honk");

}

public class Main {

public static void main (String[] a) {

Bird s = new Sparrow();

s.eat();

s.makeSound();

((Flyable) s).fly();

Bird p = new Penguin();

p.eat();

p.makeSound();

}