

Scala Method Overloading

Scala provides method overloading feature which allows us to define methods of same name but having different parameters or data types. It helps to optimize code.

Scala Method Overloading Example by using Different Parameters

In the following example, we have define two add methods with different number of parameters but having same data type.

```
class Arithmetic{  
    def add(a:Int, b:Int){  
        var sum = a+b  
        println(sum)  
    }  
    def add(a:Int, b:Int, c:Int){  
        var sum = a+b+c  
        println(sum)  
    }  
}  
  
object MainObject{  
    def main(args:Array[String]){  
        var a = new Arithmetic();  
        a.add(10,10);  
        a.add(10,10,10);  
    }  
}
```

Output:

20

Scala Method Overloading Example by using Different Data Type

In the following example, we have created two add method having same number of parameters but different data types.

```
class Arithmetic{  
  
    def add(a:Int, b:Int){  
  
        var sum = a+b  
  
        println(sum)  
    }  
  
    def add(a:Double, b:Double){  
  
        var sum = a+b  
  
        println(sum)  
    }  
}  
  
object MainObject{  
  
    def main(args:Array[String]){  
  
        var b = new Arithmetic()  
  
        b.add(10,10)  
  
        b.add(10.0,20.0)  
  
  
    }  
}
```

Output:

20

30.0