# **Method Overloading**

If you have more than one method with the same name but with different arguments or different argument types or different sequence of arguments it is called method overloading.

Three ways of Method Overloading:

1. Different arguments

Ex: details(int age, String name)

details(int age, int sno, String name)

1. Different argument types

Ex: details(int a, int b)

details(String a, String b)

1. Different sequence

Ex: details(int age, String name)

Details(String name, int age)

Example:

Method Overloading – Different Arguments

**package** FPPackage;

**class** Demo {

**public** **static** **void** details(**int** age, String name) {

System.***out***.println("Age is "+age+" Name is "+name);

}

**public** **static** **void** details(**int** age, **int** sno, String name) {

System.***out***.println("Age is "+age+" S.No is "+sno+" Name is "+name);

}

**public** **static** **void** main(String[] args) {

*details*(20, "Venkat");

*details*(23, 123, "Ganesh");

}

}

Method Overloading – Different Argument Types

**package** FPPackage;

**class** Demo {

**public** **static** **void** details(**int** a, **int** b) {

System.***out***.println("a is "+a+" b is "+b);

}

**public** **static** **void** details(String a, String b) {

System.***out***.println("a is "+a+" b is "+b);

}

**public** **static** **void** main(String[] args) {

*details*(20, 30);

*details*("Venkat", "Ganesh");

}

}

Method Overloading – Different Sequence

**package** FPPackage;

**class** Demo {

**public** **static** **void** details(**int** age, String name) {

System.***out***.println("Age is "+age+" Name is "+name);

}

**public** **static** **void** details(String name, **int** age) {

System.***out***.println("Age is "+age+" Name is "+name);

}

**public** **static** **void** main(String[] args) {

*details*(20, "Venkat");

*details*("Ganesh", 22);

}

}