Example: (String x) -> x.toUpperCase()

Function<String, String> toUpper1 = (String x) -> x.toUpperCase();

Function<String, String> toUpper2 = String::toUpperCase;

*Method reference type:* Class::instanceMethod

1. (Employee e) -> e.getName()

Function<Employee,String> getName1= (Employee e) -> e.getName();

Function<Employee,String> getName2 = Employee::getName;

*Method reference type:*Class::instanceMethod

1. (Employee e,String s) -> e.setName(s)

BiConsumer<Employee,String> set1= (e,s) -> e.setName(s);

BiConsumer<Employee,String> set2=Employee::setName;

*Method reference type:*Class::instanceMethod

1. (String s1,String s2) -> s1.compareTo(s2)

BiFunction<String,String,Integer>

compare1=(String s1,String s2) -> s1.compareTo(s2)

Bifunction<String,String,Integer>

compare2= String::compareTo;

*Method reference type:*Class::instanceMethod

1. (Integer x,Integer y) -> Math.pow(x,y)

BiFunction<Integer,Integer,Double>

pow1=(Integer x,Integer y) -> Math.*pow*(x,y);

BiFunction<Integer,Integer,Double>

Pow2=Math::*pow*;

*Method reference type:*Class::staticMethod

1. (Apple a) -> a.getWeight()

Function<Apple,Double> getW1 = (Apple a) -> a.getWeight();

Function<Apple,Double> getW2 = Apple::getWeight;

*Method reference type:*Class::instanceMethod

1. (String x) -> Integer.parseInt(x);

Function<String,Integer> pInt1 = x -> Integer.parseInt(x);

Function<String,Integer> pInt2 = Integer::parseInt;

*Method reference type:*Class::staticMethod

1. EmployeeNameComparator comp = **new** EmployeeNameComparator();

(Employee e1, Employee e2) -> comp.compare(e1,e2)

EmployeeNameComparator comp = new EmployeeNameComparator();

Comparator<Employee> cp1 = (e1, e2) -> comp.compare(e1,e2);

Comparator<Employee> cp2 = comp::compare;*Method*

*reference type:*obect::instanceMethod