Method overloading:

Creating multiple methods in a class with the same name, with different arguments either in its datatype or number of args.

Type casting:

Converting one type to another type

Widening- assigning smaller data type to a bigger data type.  
Widening is automatic in java

**package** com.te.TYbatch.training;

**public** **class** Demo {

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

**int** i = 10;

**double** d = i;

System.***out***.println(d);

}

}

Narrowing: assigning bigger data type to a smaller data type.

has to be done explicitly.

**package** com.te.TYbatch.training;

**public** **class** Demo {

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

**int** i = 10;

**short** s =(**short**) i;

System.***out***.println(s);

}

}

There might be data loss. Eg for data loss:

**package** com.te.TYbatch.training;

**public** **class** Demo {

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

**double** d = 10.999;

**int** i = (**int**) d;

System.***out***.println(i);

}

}