Casting

Widening Casting

Converting a smaller type to a larger type size

```
byte -> short -> char -> int -> long -> float -> double
```

Widening casting is done automatically when passing a smaller size type to a larger one.

Narrowing Casting (Manual)

Converting a larger type to a smaller size type

```
double -> float -> long -> int -> char -> short -> byte
```

Narrowing casting must be done manually by placing the type in parentheses in front of the value:

```
public class Main {
  public static void main(String[] args) {
    double myDouble = 9.78d;
    int myInt = (int) myDouble; // Manual casting: double to int
    System.out.println(myInt); // Outputs 9
  }
}
```