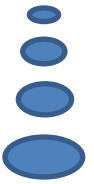


Java

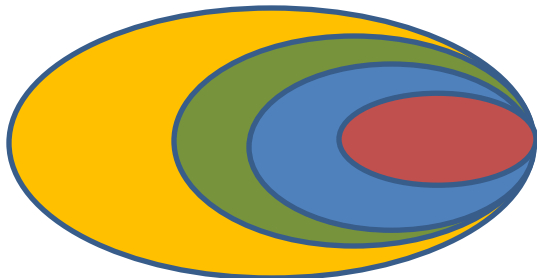
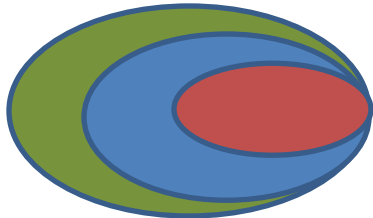
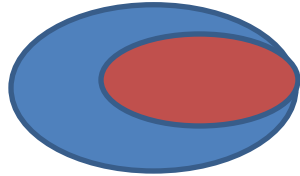
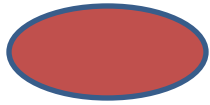
7

conversões

Vitor Vaz da Silva



Conversões



```
b = b;
```

```
c = (char)b;
```

```
r = b;
```

```
i = b;
```

```
d = b;
```

```
f = b;
```

```
l = b;
```

```
ch = (char) b;
```

```
in = (int) b;
```

```
rt = (short) b;
```

```
ln = (long) b;
```

```
dl = (double) b;
```

```
ft = (float) b;
```

```
byte b=-123;
```

```
char c;
```

```
short r;
```

```
int i;
```

```
long l;
```

```
float f;
```

```
double d;
```

```
Character ch;
```

```
Short rt;
```

```
Integer in;
```

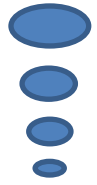
```
Long ln;
```

```
Float ft;
```

```
Double dl;
```

Acrescentam-se bits (de sinal)

Conversões

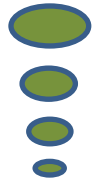


Perdem-se bits significativos

```
dl = dl;  
ft = (float) (double) dl;  
ln = (long) (double) dl;  
in = (int) (double) dl;  
rt = (short) (double) dl;  
ch = (char) (double) dl;  
d = dl;  
f = (float) (double) dl;  
l = (long) (double) dl;  
i = (int) (double) dl;  
r = (short) (double) dl;  
c = (char) (double) dl;  
b = (byte) (double) dl;
```

```
Double dl=-123E123;  
Float ft;  
Long ln;  
Integer in;  
Short rt;  
Character ch;  
double d;  
float f;  
long l;  
int i;  
short r;  
char c;  
byte b;
```

Conversões

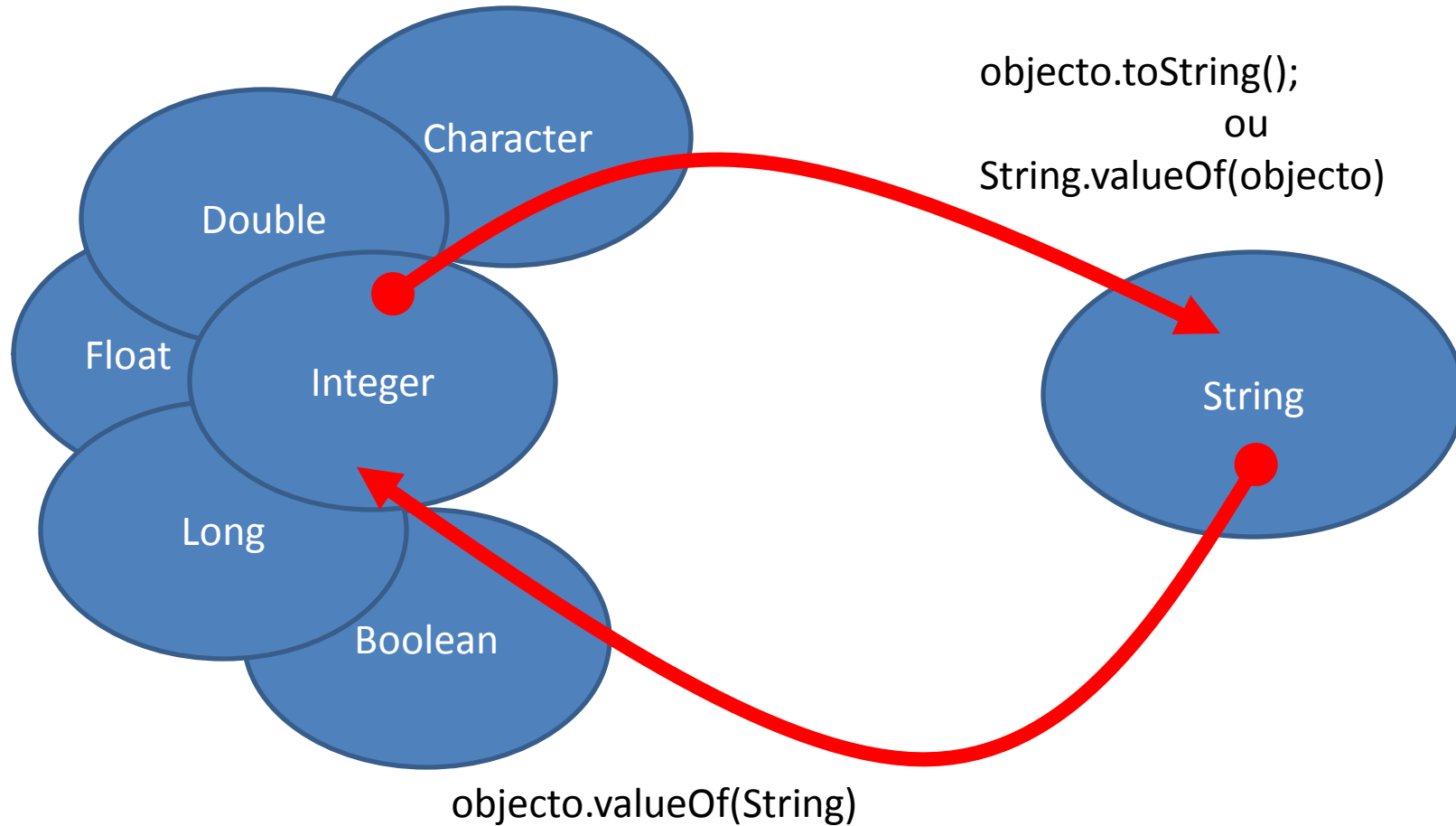


Perdem-se bits significativos

```
dl = d;  
ft = (float) d;  
ln = (long) d;  
in = (int) d;  
rt = (short) d;  
ch = (char) d;  
d = dl;  
f = (float) d;  
l = (long) d;  
i = (int) d;  
r = (short) d;  
c = (char) d;  
b = (byte) d;
```

```
Double dl;  
Float ft;  
Long ln;  
Integer in;  
Short rt;  
Character ch;  
double d = -123E123;  
float f;  
long l;  
int i;  
short r;  
char c;  
byte b;
```

de e para String



Integer

```
Integer.MIN_VALUE; // -2147483648 ( $-2^{31}-1$ )
```

```
Integer.MAX_VALUE; // 2147483647 ( $+2^{31}$ )
```

```
String Integer.toString(int);
```

```
String s = "" + inteiro; // int inteiro=3;
```

```
int Integer.parseInt(String);
```

```
int pi = (int) Math.PI();
```

Referências

- <http://leepoint.net/notes-java/index.html>
- <http://tektonia.com>