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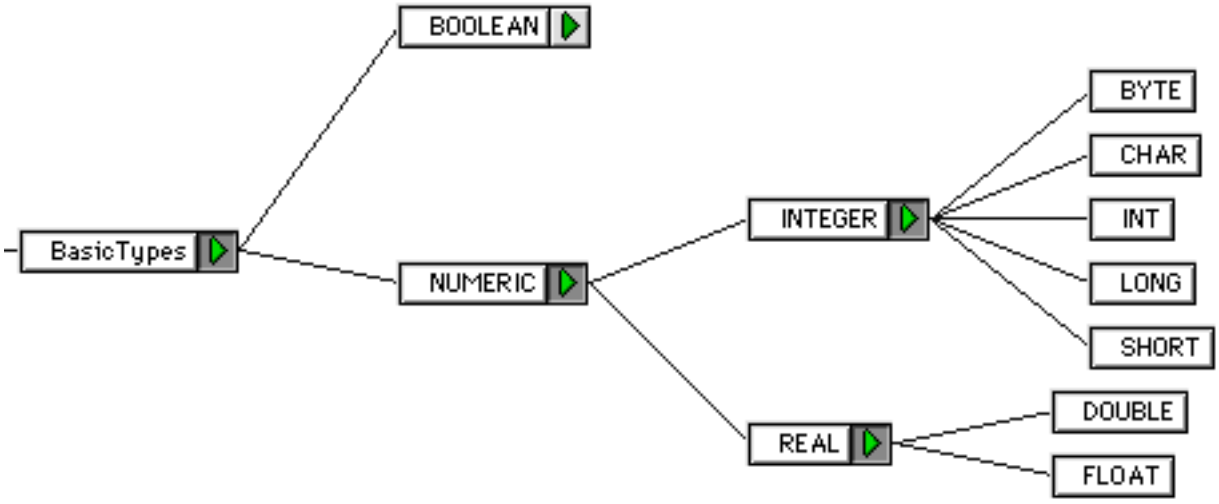
BOOLEAN
BasicTypes
NUMERIC
INTEGER
BYTE
CHAR
INT
LONG
SHORT
REAL
DOUBLE
FLOAT

Figure 2.1

type name	value	value	
boolean	1 bit	true, false	
char	16 bit	unicode	character
byte	8 bit	signed	$-2^{8-1} \text{ K } 2^{8-1}-1$
short	16 bit	signed	$-2^{16-1} \text{ K } 2^{16-1}-1$
int	32 bit	signed	$-2^{32-1} \text{ K } 2^{32-1}-1$
long	64 bit	signed	$-2^{64-1} \text{ K } 2^{64-1}-1$
float	32 bit	IEEE - 754 - 1985	6 - 7 sig. figs.
double	64 bit		14 - 15 sig. figs.

Figure 2.2

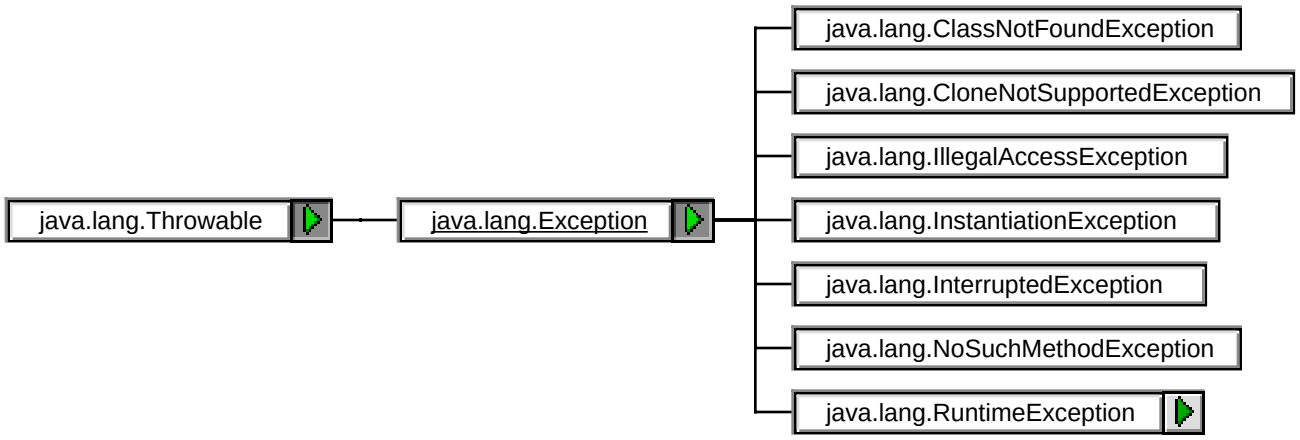

Figure 2.3 An Overview of the java.lang.Exception classes.

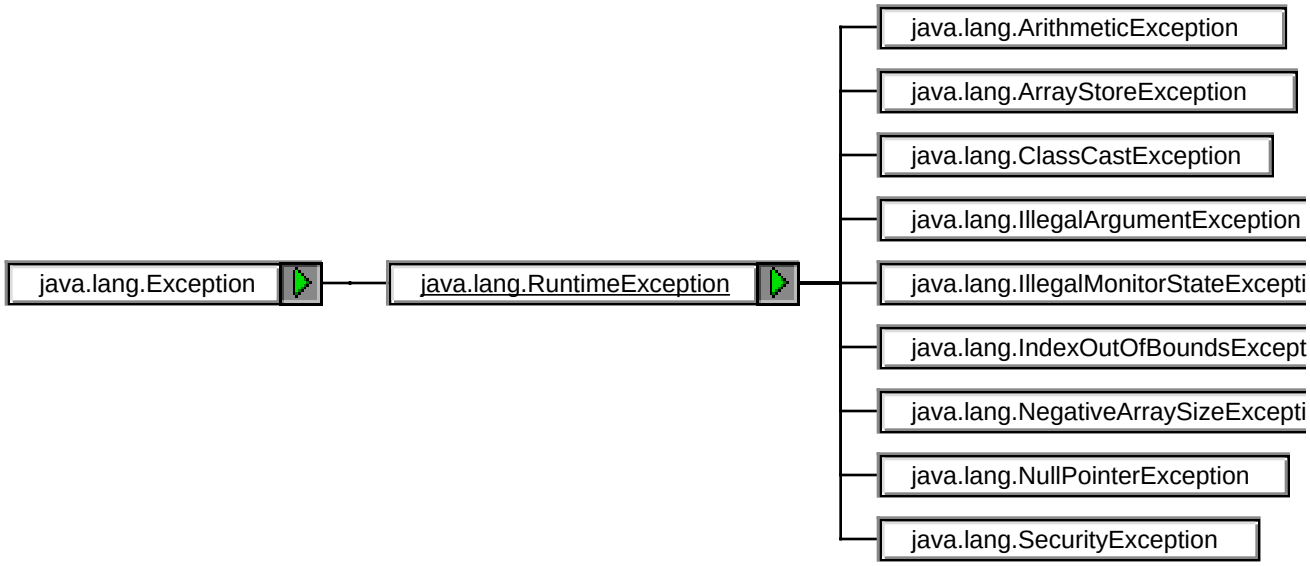

Figure 2.4. The Runtime Exception classes in Java

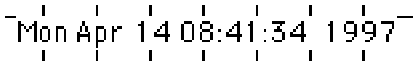

Figure 2.5. The digital clock.

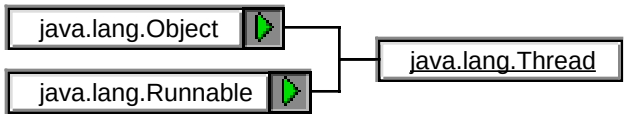

Figure 2.6. The Thread class hierarchy