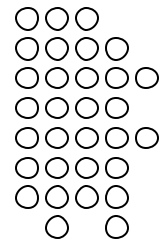
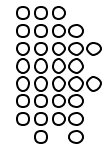


Cast Operator

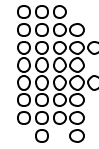


Cast Operator



- unary operator
 - consists of a left parenthesis, a type name, a right parenthesis.
 - causes the operand value to be converted to the type named within the parenthesis; the operand itself is not altered.

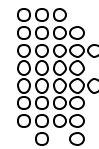
Cast Operator



- Example

```
int val1 = 24, val2 = 5;
double dvar = 0;
/* dvar is assigned the value 4.8 */
dvar = (double) val1 / val2;
dvar = val1 / (double) val2;
/* dvar is assigned the value 4.0 */
dvar = val1 / val2;
dvar = (double) (val1 / val2);
```

Cast Operator



- Permissible conversions that may be invoked by a cast

Cast Type	Source Type
integer	integer
	floating point
	pointer
floating point	integer and floating point
pointer	pointer
(incl. void *)	void *
	pointer to function
	integer
struct or union none	
array or function	none
void	any