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## Some more examples

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    \(\pm\)
    
minm

miximex

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momer mex
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max
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## Conditionals

- Conditional statements
- if
- need to know <, >, ==, !=, <=, >=
- \&\&, ||
- usage
if (expr) \{stmt...\} else if (expr) \{stmt...\}
else \{stmt\}
- when do you not need $\}$
if followed by another if
if (something) do something;
if (something else) do something else;
- The default case is the final else
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Conditionals II

- Switch
switch (val) $\{$
case 1:
do some work:
break;
case 2:
case 2:
do some work;
do some
break;
case 3:
do some work;
break;
default:
do some work;
break;
\}
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- What is the break statement?

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What happens if you don't use break?


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## Loops V

- The comma operator
Things are evaluated from left to right
- for (sum=0, $\mathrm{i}=1 ; \mathrm{i}<=\mathrm{n} ;++\mathrm{i}$ )
sum += i;
- for (sum=0, $i=1 ; i<=n ;$ sum $+=\mathrm{i},++\mathrm{i})$
- for (sum=0, $i=1 ; i<=n ;++i$, sum $+=i$ )
// this may give wrong results as $i$ is
// incremented before added to sum
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What does the following do?
for ( $\mathrm{i}=1 ; \mathrm{i}<=10 ;++\mathrm{i}$ )
;
sum $+=\mathrm{i}$;

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