

Solution to Exercises in L#16

Solution to Examples on Slide 17

- **double ceil (double number);**
 - returns the smallest integral value greater than or equal to a number.
 - Example:
 - $\text{ceil}(2.01) = 3.0,$
 - $\text{ceil}(-2.3) = -2.0$
- **double floor (double number);**
 - returns the largest integral value that is equal or less than a number.
 - Example:
 - $\text{floor}(-1.1) \rightarrow -2.0$
 - $\text{floor}(1.9) \rightarrow 1.0$

Solution to Exercise on Slide 19

- What is the value of the following expressions:

`x= ceil (-fabs(-10.2) + floor(-3.3));`

Answer : -14.0

`y = fabs(ceil(3.1) + floor(-100.3) + 12);`

Answer: 85.0