- · Used to round off numbers up to the specified number of decimal points

Syntax: - round (number, noligits)

* number is must to specify, it is the number to be sounded * notigits are optional, it is the number up to which the given number is rounded, by default notigits are considered

what round() well reform?

It will return the

-case 1: nearest integer to the given number if ndigits is not given Case 2: number sounded off to notigits objets if notigits is given

bont (round (7)) => 7 > in first case of bont (round (7.61)) => 8 would be int.

point (type (round (7.61))) so int [in case 2, type] port (round (2.66666, 2)) = 2.67

would be float pront(round(2.6657,0) =) 3.0 =) float Ly type would be float

-) if input number is integer, return value is also integer, but if input number is float-thenIt will return an intèger value if ordigits is not given & a youth the Court of and the for the for the for the

point (20 And (-8/3)) pnnt (round (-8/3, 2)) = -2.67 bnn+ (sound (-1.5)) =

Ac und (number, notigits)

It can not be stong, it should be integer or florting number

point (sound (2.6645786, 2)) => 2.66

point (sound (674, 2)) => 674

point (sound (674, -2)) => 670

point (sound (674, -1)) => 670

point (sound (644, -2)) => 600

NOTE: - Oif notigits is a positive value, then round off has no effect on the integer value (number):

(a) if ndigits is zero value, then sound off has no effect on the integer number.

e.g.: - point (sound (674, 0)) => 674

3 if notigits is negative value then it affects the integer number.

e.g: - print (round (674, -1)) = 670

print (round (677, -1)) = 680

Special Cases: - (Tie Breaking)

g:- | point (round (7.5)) => 8

point (round (6.5)) => 6

The number is rounded to its nearest even integer

point (sound (8.5)) =>?

bount (sound (7.5)) =>?

point (round (6.75, 1)) \$ 6.8

point (round (6.85, 1)) \$ 6.8

So here $10^{(-(-1))} = 10^{-1} = 10$ avalue to the closest to hearest multiple of 10 closest to 674 is 670

print (round (1212, -2)) = 1200

But if the absolute value of negative decimal points is greater than the number of digits in the original number then the input number becomes zero

9:- point (sound (674.10, -4)) = 0.0

pont(ound(665,-1)) = ? pont(ound(675,-1)) = ? 680