Find the global minimum point and value for the function $\frac{1}{3}(3,y) = x^2 + y^2 + 10$

. Do manual calculations for two Herations.

, find the optimal solution using python programming.

$$\frac{\partial f}{\partial y} = 2y = 2$$

Slep 5;
$$n = n + \Delta n = -1 + 0.2 = -0.8$$

Slep 4; Da = - 17 df

Step 3:
$$\frac{df}{da} = 2a = 2(-0.8) = -1.6$$

$$\frac{\partial f}{\partial y} = 2y = 2(0.8) = 1.6$$

$$\Delta y = -\eta \frac{\partial f}{\partial y}$$

Ay = g+Ay

$$f(3,y) = 3^2 + y^2 + 10$$

= $(+0.64)^2 + (0.64)^2 + 10$

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