Assignment - 2 - 18K4190545 Find the global nummer point & value for the function of (n,y) = x+y+10. -> Do manual calculations for two iterations.

-> Find the optimal solution voing python program step!"- x=-1, y=1, y=0.1, epoches=2 step 2 !- | = | Hep3! - 2x = -2 of = 2y = 2 Ctep 4 = - 1 = -2(-0.1) $Ay = -\eta \frac{3f}{3y} = -(0.1)(2)$

 $Ay = -1 \frac{3f}{3y} = -(0.1)(2)$ Ay = -0.2 Ay = -0.2 = -0.8 = -0.8 = -0.8 = -0.8 = -0.8

Step 7 : if (i>epoches)

Hep 3:- $\frac{3!}{3!} = 2! = 2(-0.8) = -1.6$

Step 4:
$$\Delta x = -100$$

Step 4: $\Delta x = -100$
 $= -(0.1)(-1.6) = 0.16$
 $\Delta y = -100$
 $= -(0.1)(1.6)$
 $= -0.16$
Step 5: $x = x + \Delta x$
 $= -0.64$
 $= -0.64$
Step 6: $x = x + 10$
 $= -0.64$
Step 7: $x = x + 10$
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Gep 8- n=-0-64

y = 0.64

A(M, y) = n+y+10

-10.8.

= (-0-64)+(0.64)+10

= 0.4 +0.4+10