Assignment 2:-
Find the global minimum point and value for the function
$$f(x,y) = x^2 + y^2 + 10$$
* Do manual calculations for two iterations.

Shep: $x = -1$, $y = 1$, $q = 0 \cdot 1$, epoch $y = 2$

Step $y = 1$ iter = 1

Step y

steps:
$$\alpha = x + 6x = -0.8 + 0.16 = -0.64$$

 $y = y + 6y = 0.8 = 0.16 = 0.64$
step 6:- iter = iter +1 = 2 +1 = 3
step 7:- if (iter > epochs)
 $3 > 2$
True; go to step 8
step 8:- print x & y values
 $x = -0.64$
 $y = 0.64$.
 $f(x,y) = x^2 + y^2 + 10$
 $= (-0.64)^2 + (0.64)^2 + 10$
 $f(x,y) = 10.81$