**Assignment 1 report:**

**Question answers:**

* 1. Yes, I am satisfied the values that I got. Trying different values helped me get better results.

3.5) No, I am not satisfied with the values that I got using sklearn library. I am not sure why but the values I got are way off. I expected to get better results. I tried to use library differently, however I could not get better values, so I used my initial code.

**Logs:**

Values | MSE

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learn\_rate=0.1, n\_iter=50, tolerance=1e-06 | Overflow

learn\_rate=0.0001, n\_iter=50, tolerance=1e-06 | 2.6802040726620357e+278

learn\_rate=0.00011, n\_iter=50, tolerance=1e-06| 3.7531359860618e+282

learn\_rate=0.00005, n\_iter=50, tolerance=1e-06| 1.7723826652506063e+248

learn\_rate=0.00015, n\_iter=50, tolerance=1e-06| 1.1555818180561684e+296