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CS 334

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HW 1

1. (a) – (c): See q1.py for Q1  
   (d)
2. (a) – (c): See q2.py for Q2  
   (d): An iris flower is most likely from the Setosa species if it has about 0 – 0.5 cm for petal width and about 1 – 2 cm for petal length. In other words, if both the petal length and width of the flower is very low, then it should belong to the Setosa species. If it also has a sepal length of about 5 cm and a sepal width of about 3.5 cm, then it is also most likely from the Setosa species.   
     
   For the flower to be of the Versicolor species, it should have a sepal length of about 6 cm, petal length of about 4.5 cm, and a petal width of about 1.25 cm. In regards to the sepal width, the trend seems to be that flowers with width measurements lower than 3 cm belong to the Versicolor species.  
     
   For the flower to be of the Virginica species, the flower should have a sepal length of about 6.5 cm, petal length of about 5.5 cm, and a petal width of about 2 cm. In regards to the sepal width, the trend seems to be that flowers with width measurements about/higher than 3 cm belong to the Virginica species.