**a.**

i. Its model-agnostic nature is quite beneficial because it provides the means to interpret any model regardless of its complexities. In other words, it does not require any information about the design of the network, such as its hidden layer size or the size of the data that it was trained on.

ii. Another beneficial attribute it has is that it fosters local interpretability. It allows developers to analyze the behavior of the model case-by-case. Which is quite beneficial because specific instances can provide more meaningful information than general cumulative outputs. For example, the developer can do case based comparison by selecting two instances from the star-belly sneetches and another from plain belly sneetches, and analyzing why and where the models predictions diverge for each case.

**b.**

i. One of the most significant issues about LIME is that local interpretations may not be applicable to generalize. Even interpretations of 2 very similar instances can suggest different results. Therefore in certain cases or datasets LIME may not be able to provide any useful information.