3) Determine if the class classmates implements the \_\_len\_\_ method.

Ans: Actually classmates is not a class it is a object that holds reference of Teams.Teams class implements \_\_len\_\_ method but not classmates.

4) Explain the difference between interfaces and implementation.

Ans:

Interface: Interface specifies set of methods must be available to implement. It is more like when we are implementing encapsulation we define certain methods but we are not going implement there

Implementation: Implementation can be explained as it implements an interface. We define methods in interface and we implement in other class.

5) Using both visual and written descriptions, think through the interface-implementation of a large scale storage system.   In many systems today, we have the ability to store information from a single application to a variety of storage devices - local storage (hard drive, usb), the cloud and/or some new medium in the future.   How would you design an interface structure such that all of the possible implementations could store data effectively?

Ans: We can implement each storage device as method in class. And we add necessary conditions for each storage device in method of class.

we provide interface that allows to select a storage device and files that contain information and based on selection of storage device we call method that implements it.This can explain what is difference between interface and implementation. We are showing functionalities that are available (which can explains what is interface) we are not showing code that actually implemented it (Implementation).