The $q service provides the defer method that returns a **deferred** object.

We can see it as the representation of a task that will be completed in the future.

The **deferred** object exposes the resolve, reject and notify methods that allow us to respectively notify that the task has completed, that it failed or that there has been some progress in the execution.

Each one of these methods allows to pass a value (a string, a number or any object) back to the listeners of the execution events.

The customAsyncFunc function returns a **promise** object which can be seen as a placeholder for the result that will be available at the end of the asynchronous task execution.

The **promise** object exposes some methods to allow the interested listeners to register some handlers that will notify them about the execution progress and final result.