Q.7. What are the states a promise can be in?

Ans:- A promise has three states:

1. pending: It is the initial state.

2. Fulfilled: It indicates that the promised operation was successful.

3. Rejected: It indicates that the promised operation was unsuccessful

A pending promise can either be fulfilled with a value or rejected with a reason (error).

When either of these options happens, the associated handlers queued up by a promise's then method is

called. If the promise has already been fulfilled or rejected when a corresponding handler is attached, the

handler will be called, so there is no race condition between an asynchronous operation completing and

its handlers being attached.