

# What is **Future Builder**?

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**FutureBuilder** is a widget that will help you to execute some asynchronous function and based on that function's result, your **UI** will be updated.

**FutureBuilder** is **Stateful** by nature, i.e it maintains its own state as we do in **StatefulWidget**s.

```
FutureBuilder(  
  builder: (ctx, snapshot) {  
    // Checking if future is resolved or not  
    if (snapshot.connectionState == ConnectionState.done) {  
      // If we got an error  
      if (snapshot.hasError) {  
        return Center(  
          child: Text(  
            '${snapshot.error} occurred',  
            style: TextStyle(fontSize: 18),  
          ),  
        );  
  
        // if we got our data  
      } else if (snapshot.hasData) {  
        // Extracting data from snapshot object  
        final data = snapshot.data as String;  
        return Center(  
          child: Text(  
            '$data',  
            style: TextStyle(fontSize: 18),  
          ),  
        );  
      }  
    }  
  
    // Displaying LoadingSpinner to indicate waiting state  
    return Center(  
      child: CircularProgressIndicator(),  
    );  
  },  
  
  // Future that needs to be resolved  
  // inorder to display something on the Canvas  
  future: getData(),  
),
```

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