

Big Data and Functional programming

What do we mean by Immutability?	
What are Side effects?	
What is Statelessness?	
What is Function application?	
What is a Graph schema?	
What is Partial function application? Give an example	
What is the domain of a function?	
What is the codomain of a function?	
What is a First class object?	

What are the characteristics of big data	
What is the fact-based model?	
Why is functional programming good for distributed processing of big data?	
What are the features of functional programming?	
What is a higher order function?	

List Processing – Write down example

returns the first element in a list	
Return all but the first element in a list	
Return the length of a list	
Set up an empty list	
Check to see if a list is empty	

Append to a list	
Prepend to a list	

Higher order functions

	Explanation	Example
Map		
Filter		
Fold		

	Explanation	Example
First class object		
Function type		
Function application		
Partial function application		
Composition of functions		