

Q1: Using Hadoop, show the distribution of 6 data blocks in a system of 5 Racks and each rack has 6 datanodes.

B1, B2, B3, B4, B5, B6

Block	Rack1	Rack2	Rack3	Rack4	Rack5
B1	Datanode1	Datanode2		Datanode4	
B2	Datanode2		Datanode3		Datanode3
B3		Datanode6	Datanode1	Datanode1	
B4	Datanode6	Datanode3			Datanode6
B5		Datanode5	Datanode5	Datanode2	
B6	Datanode4		Datanode4		Datanode5