

Day 6 Assignments

1. In Day 5 Q5, make the below modifications to the Employee class.
 - add Date of Joining field of type Date
 - Override hashCode and equals methods
 - Implement comparable interface, while comparing two objects consider empno field.
2. Create different implementation classes to Storage interface as mentioned below
 - StorageListImpl : Use Array list for storing the employee objects
 - StorageSortedImpl : Use TreeSet for storing the employee objects
 - StorageMapImpl : Use HashMap for storing the employee objects as values and empnos as keys.
3. Modify getStorage() method of StorageFactory to accept an integer as a parameter. Change the definition to Storage getStorage(int code) method as follows
 - If code = 1 then return StorageImpl object
 - If code = 2 then return StorageListImpl object
 - If code=3 then return StorageSortedImpl object
 - If code = 4 return StorageMapImpl object
 - For any other value, raise a InvalidStorageType exception