CORE JAVA TASKS

Task 27/6/17  
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1) Can abstract class have constructors in Java?  
2) Can abstract class implements interface in Java? do they require to implement all methods?  
3) Can abstract class be final in Java?  
4) Can abstract class have static methods in Java?  
5) Can you create instance of abstract class?  
6) Is it necessary for abstract class to have abstract method?  
7) Difference between abstract class and interface in Java?  
8) When do you favor abstract class over interface?  
9) What is abstract method in Java?  
10) Can abstract class contains main method in Java ?  
11) what is static block in java?  
12) What is the need of static block?  
13) Can we overload static methods in java?  
14) Can we call super class static methods from sub class?  
15)What is the difference between final and static keywords?

Task28/6/17  
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1. Write a note on covariant return type with example code.  
2. Write a note on Enum with example code.  
3. Write a note on use of super keyword and super() method.  
4. Write a code to implement abstraction using interface.

Task 30/06/17

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1. Write a Java program to sort a numeric array and a string array.  
2. Write a Java program to sum values of an array.  
3. Write a Java program to remove a specific element from an array.  
4. Write a Java program to reverse an array of integer values.  
5. Write a Java program to find the duplicate values of an array of integer values.

Task 01/07/17

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1. Write a short note on Deque and give example code.  
2. Write a short note on Generics an all types of Parameters used in Generics with example code.  
3. Write a short note on Map Interface.  
4. Write the difference between Linked List and Array List.  
5. Write a note on Dynamic array in java.

Task 02/07/17  
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1. Write the difference between checked and unchecked exception with example code  
2. Write the difference between throw and throws with example code  
3. Write a note or nested try…catch block with example code  
4. Write a note on Multithreading and Multitasking

Task 03/07/17  
= = = = = = = = = = = =   
1. Explain regular expression and quantifiers with example code  
2. Explain DAO design pattern with example  
3. Write a note on how DAO helps in abstraction  
4. Describe the different approaches of String processing.

Task 04/07/2017

= = = = = = = = = = = =   
1. What is the difference between System.out ,System.err and System.in?  
2. What is the purpose of the System class?  
3. Which is the abstract parent class of FileWriter ?  
4. Which class is used to read streams of characters from a file?  
5. Which class is used to read streams of raw bytes from a file?  
6. What are the differences between FileInputStream/FileOutputStream and RandomAccessFile  
7. Write a note on Channels and Buffer with example.

Task 05/07/17

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1. Write a note on PreparedStatement and ResultSetMetaData interfaces with code snippets.  
2. Write a note on DDL, DML, DQL, DDL with code snippets.  
3. Write a note on HTML and Javascript.  
4. Write a code to fetch the data from H2 and put it in any collection object and display it.