## Q2] Working with java.lang.Byte

1) Explore the Java API documentation for java.lang.Byte and observe its modifiers and super types.

```
⇒ byte⇒ byteValue()⇒ byteValue()
```

2) Write a program to test how many bytes are used to represent a byte value using the BYTES field. (Hint: Use Byte.BYTES).

```
| Date | Test |
```

3) Write a program to find the minimum and maximum values of byte using the MIN\_VALUE and MAX\_VALUE fields. (Hint: Use Byte.MIN\_VALUE and Byte.MAX\_VALUE).

```
| Problem < Server | Teminal | | Das Source Explorer | Coronage |
```

4) Declare a method-local variable number of type byte with some value and convert it to a String using the toString method. (Hint: Use Byte.toString(byte)).

5) Declare a method-local variable strNumber of type String with some value and convert it to a byte value using the parseByte method. (Hint: Use Byte.parseByte(String)).

6) Declare a method-local variable strNumber of type String with the value "Ab12Cd3" and attempt to convert it to a byte value. (Hint: parseByte method will throw a NumberFormatException).

 $\Rightarrow$ 

```
| 1 package assign2;
| 2 | 3 public class Test (
| 4 | 5 | public static void main(String[] args) (
| 6 | String b = "Ab12Cd3";
| 7 | System.out.println(b);
| 8 | byte s = Byte.parseByte(b);
| 9 | System.out.println(s);
| 10 | }
| 11 |
| 12 | }
| 13 |
| 14 |
| 15 | Backage assign2;
| 7 | System.out.println(s);
| 8 | byte s = Byte.parseByte(b);
| 9 | System.out.println(s);
| 10 | }
| 11 |
| 12 | }
| 13 |
| 14 |
| 15 | Backage assign2;
| 16 | String b = "Ab12Cd3";
| 17 | System.out.println(s);
| 10 | | 3 |
| 11 |
| 12 | | 3 |
| 12 | | 3 |
| 13 | | 4 | String b = "Ab12Cd3";
| 14 | System.out.println(s);
| 15 | System.out.println(s);
| 16 | String b = "Ab12Cd3";
| 17 | System.out.println(s);
| 18 | System.out.println(s);
| 19 | System.out.println(s);
| 10 | System.out.println(s);
| 11 | System.out.println(s);
| 11 | System.out.println(s);
| 12 | System.out.println(s);
| 13 | System.out.println(s);
| 13 | System.out.println(s);
| 14 | System.out.println(s);
| 15 | System.out.println(s);
| 16 | String b System.out.println(s);
| 17 | System.out.println(s);
| 18 | System.out.println(s);
| 10 | System.out.println(s);
| 11 | System.out.println(s);
| 12 | System.out.println(s);
| 13 | System.out.println(s);
| 15 | System.out.println(s);
| 16 | String b System.out.println(s);
| 17 | System.out.println(s);
| 18 | System.out.println(s);
| 10 | System.out.println(s);
| 11 | System.out.println(s);
| 12 | System.out.println(s);
| 13 | System.out.println(s);
| 17 | System.out.println(s);
| 18 | System.out.println(s);
| 18 | System.out.println(s);
| 10 | Syst
```

7) Declare a method-local variable number of type byte with some value and convert it to the corresponding wrapper class using Byte.valueOf(). (Hint: Use Byte.valueOf(byte)).

```
1 package assign2;
2
3 public class Test {
4
5• public static void main(String[] args) {
6     byte b = 111;
7     System.out.println(b);
8     Byte s = Byte.valbeo!(b);
9     System.out.println(s);
10 }
11
12 }
13

Products. So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature So Enters A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Deminal M Data Source Deplete. ■ Contract

**Temperature Source A Demi
```

8) Declare a method-local variable strNumber of type String with some byte value and convert it to the corresponding wrapper class using Byte.valueOf(). (Hint : Use Byte.valueOf(String)).

9) Experiment with converting a byte value into other primitive types or vice versa and observe the results.