**Name: \_\_\_\_\_\_\_\_\_\_\_**

**Advanced Programming in Java**

**Lab Exercise 1.8.2024**

1. Write a Java program to convert seconds to hour, minute and seconds.   
   *Sample Output:*

Input seconds: 86399

23:59:59

1. Write a Java program to find the number of values in a given range divisible by a given value.   
   For example x = 5, y=20 and p =3, find the number of integers within the range x..y and that are divisible by p i.e. { i :x ≤ i ≤ y, i mod p = 0 }  
   Sample Output:

5

1. Write a Java program to capitalize the first letter of each word in a sentence.    
   Sample Output:

Input a Sentence: the quick brown fox jumps over the lazy dog.

The Quick Brown Fox Jumps Over The Lazy Dog.

1. Write a Java program to create the concatenation of the two strings except removing the first character of each string. The length of the strings must be 1 and above.   
   Test Data: Str1 = Python  
   Str2 = Tutorial  
   Sample Output:

ythonutorial

1. Write a Java program to create a new string taking first three characters from a given string. If the length of the given string is less than 3 use "#" as substitute characters.   
   Test Data: Str1 = " "  
   Sample Output:

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