Introduction to iOS Development with Swift
Mid Term Exam

Instructions: Answer all questions

1. A common mistake people make when typing URL's is they put spaces between the characters. Write a swift program that when given a URL will remove all spaces within the string including after and before the URL. (6 Marks)

2. Some fo the apps we use have a rating mechanism. These "rates" are nothing but integers. To find out the most rated we might look at the largest integer. Write a Swift program to find the largest number among three given integers. (5 Marks)

3. All published books have what we call an ISBN number. A unique identifier for every book. You are writing a library app and want to avoid having books that are not credible. Write a program to check if a given string is a valid ISBN-10 number. (7 Marks)

4. We, from time to time use Uber and other Taxi apps. They use location coordinates which can be either strings or integers. Using the same concept, Write a Swift program that accept two integer values (these could be the coordinates for two different taxis close to us) and test which value is nearest to the value 100 (this value in this case could be our location coordinate), or return 0 if both integers have same distance from 100. (12 Marks)