

CSE446/598 Assignment 6 Spring 2020 Rubrics

1. Some general guidelines:

- (1) Please read the assignment document to get familiar to this assignment.
- (2) Please read through the discussion board for the related questions.
- (3) You may download the VIPL through this link:
<http://neptune.fulton.ad.asu.edu/VIPL/Install/publish.htm>
- (4) Please go through a few tutorials to get familiarize with the software.
<http://neptune.fulton.ad.asu.edu/VIPL/>

2. Assignment 6 Rubric:

- (1) [20 pts] VIPL program performs parity check.
 - (1.1) [5 pts] The program should print 8bit after entering a string of "0"s and "1"s. Deduct 2 pts if the 8th bit is incorrect. Deduct 2 pts if only 1 bit is printed.
 - (1.2) [5 pts] The program should call the RESTful service for encryption and print screen. Deduct 3 pts if not calling RESTful service. Deduct 2 pts if no printout.
 - (1.3) [5 pts] Write code activity to decrypt the string. Deduct 2 pts if the decrypted string is incorrect. Deduct 3pts if no service is called.
 - (1.4) [5 pts] Generate random binary numbers of 7 bits. Encrypt/Decrypt these numbers and print screen. Do the whole process for 10 times in a loop. Deduct 2 pts if the process only runs once. Deduct 2 pts if there are any wrong results.
- (2) [30 pts] Implement the left-wall-following program
 - (a) [15 pts] Deduct 15 pts if the program does not run
 - (b) [10 pts] Deduct 10 pts if the Robot unable to reach the end
 - (c) [20 pts] Deduct 20 pts if they implement the right-wall-following program