

# Data Structure 2019

## Lab 07

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- TA mail: [ds2019ta@tcs.snu.ac.kr](mailto:ds2019ta@tcs.snu.ac.kr)
- Ask question regarding grades : JUST IN ENGLISH
- For any other problems you can ask in both Korean and English
- ID: cseclass
- Password: cseclass
  - Will not save any works
- Attendance will be taken after you show us running code
  - you are free to leave after attendance

# Today's Task

You have 45 minutes to complete.

Write myLZW.java and LZWtest.java

LZW.java

- encoding(string s)
  - Scan the input string and create the encoded array of integer
  - The initial code table should be figured out by yourself
- decoding(int[] D)
  - Receive the array of integer and return the original string

LZWtest.java

- main()

# Expected output

The input for testing encode is: abababbabababbaabbaabbaa

Encoded output is: 0122335889

The input for testing decode is: 0214537

The original string is: aaabbbbbbaabaaba