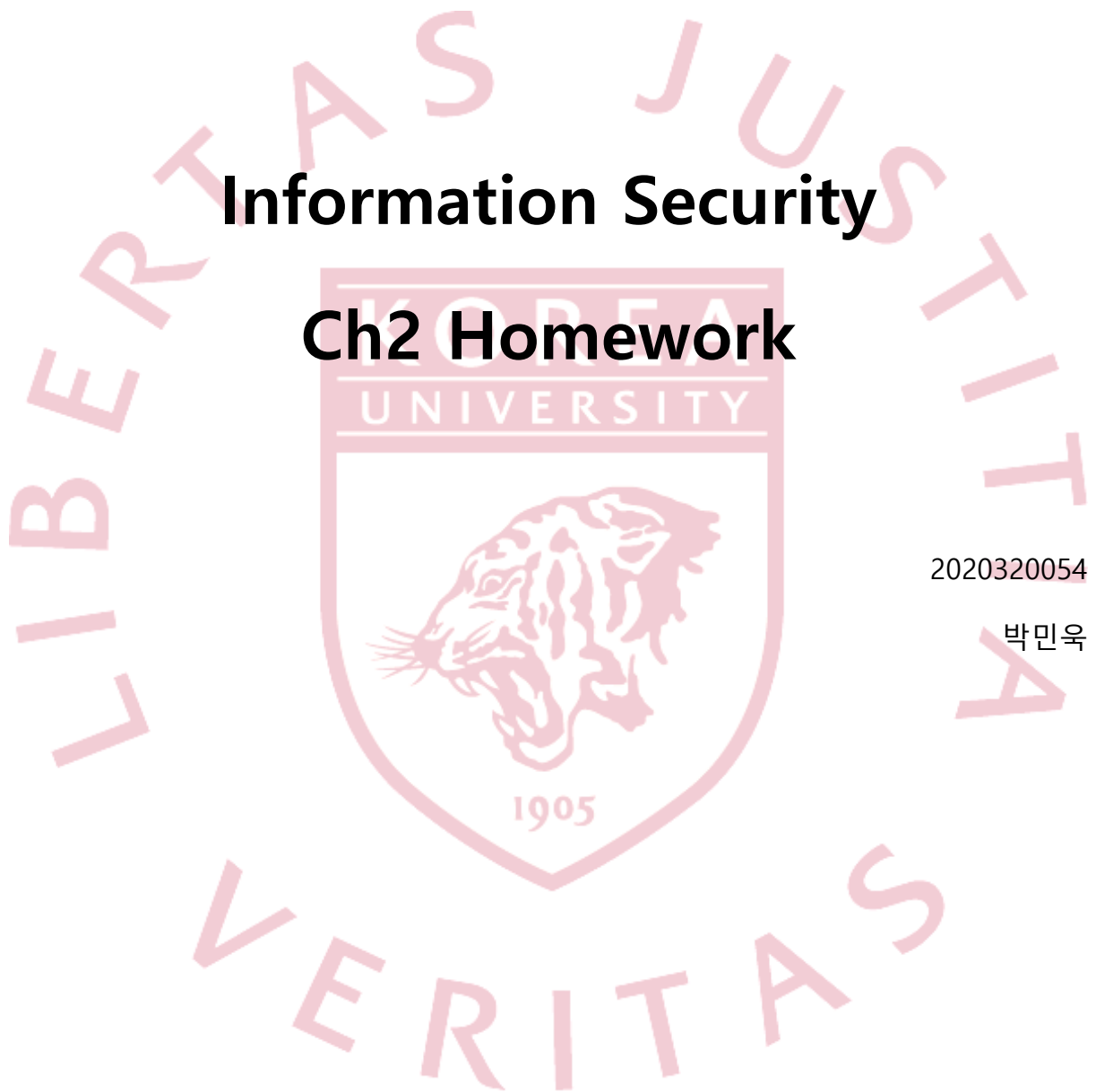# Information Security

Ch2 Homework

2020320054

박민욱

Problem 1

```
Shift(Key) : 23        Result : YGNEQOGVQEQORWVGTUGEWTKVA
Shift(Key) : 24        Result : XFMDPNFUPDPNQVUFSTFDVSJUZ
Shift(Key) : 25        Result : WELCOMETOCOMPUTERSECURITY
PS C:\Users\ericm\Lecture\InformatinoSecurity\ch02_homework> []
```

Key : 25

Plaintext : WELCOMETOCOMPUTERSECURITY

"Welcome to Computer Security

Problem 2

```
trial : 3907    key : FUG      Result : ALDAYZKELPYVURWASZWOYDSZAFL
trial : 3908    key : FUH      Result : ALCAYYKEKPYUURVASYWOXDSYAFK
trial : 3909    key : FUI      Result : ALBAYXKEJPYTURUASXWOWDSXAFJ
trial : 3910    key : FUJ      Result : ALAAYWKEIPYSURTASWWOVDSWAFI
trial : 3911    key : FUK      Result : ALZAYVKEHPYRURSASVWOUDSVAFH
trial : 3912    key : FUL      Result : ALYAYUKEGPYQURRASUWOTDSUAFG
trial : 3913    key : FUM      Result : ALXAYTKEFPYPURQASTWOSDSTAFF
trial : 3914    key : FUN      Result : ALWAYSKEEPYOURPASSWORDSSAFE
trial : 3915    key : FUO      Result : ALVAYRKEDPYNUROASRWOQDSRAFD
```

Key: FUN

Plaintext: ALWAYSKEEPYOURPASSWORDSSAFE

"Always keep your password safe"

Problem 3

```
Vigenere Key : TOY     Shift Key : 4      Result : BRXDOZDBVKDYHDFFHVVWRDQVZHUV
Vigenere Key : TOY     Shift Key : 5      Result : AQWCNYCAUJCXGCEEGUUVQCPUYGTU
Vigenere Key : TOY     Shift Key : 6      Result : ZPVBMXBZTIBWFBDDFTTUPBOTXFST
Vigenere Key : TOY     Shift Key : 7      Result : YOUALWAYSHAVEACCESSTOANSWERS
Vigenere Key : TOY     Shift Key : 8      Result : XNTZKVZXRGZUDZBBDRRSNZMRVDQR
Vigenere Key : TOY     Shift Key : 9      Result : WMSYJUYWQFYTCYAACQQRMYLQUCPQ
Vigenere Key : TOY     Shift Key : 10     Result : VLRXITXVPEXSBXZZBPPQLXKPTBOP
```

Key: TOY, 7

Plaintext: YOUALWAYSHAVEACCESSTOANSWERS

"You always have access to answers"