

# CSC115 - Introduction to Computer Science

## Assignment 5

Due: March 18<sup>th</sup>, 2019

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1. Write a Python program that generates a random number within the range of 1 to 5, and prompts the user to enter a number, then if the generate random number and user's input match, print match or no match otherwise.

- If the user enters a value that is not integer, your systems should warn the user to enter integers only
- If the user's input does match the generated random number, print both values to the screen
- Your program should keep asking the user to guess/enter a value unless the user enters -1

### Sample Program:

```
Enter your guess or -1 to exit:
```

```
>>> 3
```

```
Not match
```

```
Random number: 2 and your guess: 3
```

```
Enter your guess or -1 to exit:
```

```
>>> -1
```

```
Goodbye!
```

---

```
Enter your guess or -1 to exit:
```

```
>>> 2s
```

```
Match!
```

```
Random number: 2 and your guess: 2
```

```
Enter your guess or -1 to exit:
```

```
>>> 7
```

```
Not match
```

```
Random number: 5 and your guess: 7
```

```
Enter your guess or -1 to exit:
```

```
>>> -1
```

```
Goodbye!
```

2. **(EXTRA CREDIT/OPTIONAL)** Define a function that generates a password that consists of 8 characters that are a combination of uppercase, lowercase, and numbers. Then, prompt the user to enter number of passwords to generate such that you can invoke the function X times.

Sample program:

```
How many passwords would you like to generate?
```

```
>>> 10
```

```
JTHr6vGe
```

```
u1waIHcf
```

```
Z7zA7ism
```

```
4Pi1TefX
```

```
Bn6aDeJI
```

```
beNDoQSv
```

```
PIOjwOXi
```

```
CfBG0mJy
```

```
SJh7uFNz
```

```
XzidcOLv
```

''''

Author: Your name

Assignment: Assignment # - strings

Date: SUBMISSION DATE

Description: describe what the program does

Input: input that the program expects

Output: what does the program return

Errors: WRITE HERE IF THERE IS ANY ERROR

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***Send me a screenshot of the compiled code (terminal) and your source code to me and our TA with the email subject **CSC115 assignment5*****