**BIRZEIT UNIVERSITY**

LINUX LABORATORY– ENCS3130

**TODO 2: Shell Scripting**

**Guessing the number** is a game which randomly selects a secret number between 1 and 100, inclusive. Your script will then ask the player to guess the secret number. After each guess, the script will provide feedback indicating whether the actual number is higher or lower than the guess. The player continues guessing until they correctly identify the secret number.

**Question:** Write a shell script that implements the "Guess the Number" game described above. Your script should generate a random number, take player guesses, and provide feedback based on whether the guess is higher or lower than the secret number. Once the player guesses the correct number, the script should display the correct number and the total number of guesses it took to win the game.

**Notes:**
- The name of your shell script must be in the following convention:
  **FirstName_FamilyName.sh**
- Lab manual is allowed to open, but using the internet is not allowed.
- ToDo is individual and Cheat is not allowed (Lead to a 0 mark) **We'll be very strict in that.**
- Random number syntax: random_num=$((RANDOM % num ))

**What to submit?**
- You only need to submit the shell script file (.sh).

**Where to submit?**
- Send your solution file as a reply to my message