Assignment 2

BUSA 523

1. Write a program for flipping a coin 10,000 times and store the results in a **<u>list</u>**. After which, identify the number of streaks. *(streak - a series of 5 or more **heads** or **tails**)* **(20)**

2. Write a program to take user inputs (*number of* swords, diamonds, gold coins, ropes and potions) for a video game and store them in a **<u>dictionary</u>**. After which print the following output. **(20)**

```
Inventory:
5 swords
10 diamonds
6 gold coins
3 rope
2 potions
```

3. Repeat question 1 using arrays. **(20)**

4. Create a game with the following instructions: **(40)**
   a. There are 3 players and 10 iterations.
   b. In each iteration, every player rolls a die.
   c. The winner of the game is the one who has the highest score when rolls from all the iterations are added.