Security: Unit Test

Variables:
        String Website
        String Location
        Boolean Alarm
        Int bluffSize

Functions:
        boolean soundAlarm(string location, boolean alarm, string webstie, int bluffSize)
        Returns boolean alarm as true if the bluff is above four else false
        Checks if the current location is experiencing a bluff size that should sound an alarm.
Collects location information as a string, if the alarm is currently on a a boolean, the website to
which the information will be passed to as a string, and lastly the size of the bluff as an int.
- If bluffSize is (1-3) is imputed alarm should not sound, and should pass false
- If bluffSize is (4+) is imputed alarm should sound, and should pass true

        Example:
                soundAlarm("cameraLocation2", false, websiteAdd, 2)
                        Should pass false because bluff size is 2 and thus not strong enough to
        cause an alarm

Storage: Functional Test

Variables:
        String PhotoAccumulated
        String Report
        Int TotalCap
        Int Timeline
        Int TotalStore

Functions:
        boolean isFull(Int TotalStore, Int TotalCap)
- Returns boolean variable depending on if storage is full or not
- If storage is less than capacity it returns false else it is greater than or equal to and returns true. This alerts the users that there is no more storage to carry data
- isFull(TotalStore, TotalCap); TotalStore < TotalCap, returns false

- ○ This returns false because Total Store is less than TotalCap thus storage is available.
- ● isFull(TotalStore, TotalCap); TotalStore => TotalCap, returns true
  - ○ This returns true because Total Store is more than or equal to TotalCap thus no storage is available.
    - ■ There should never be a situation where TotalStore is greater than TotalCap because there is no way to save data on a full drive.

String addPhoto(String PhotoAccumulated, String Report, Int Timeline)
- ● Returns the name label of the photo
- ● Collects the path of the photo from PhotoAccumulated, the location from String Report, and time from the timeline.
  - ○ If the wrong variable is passed the function will fail and error.
  - ○ Based on the fact and assumption that the time and location of the camera is correct, as well as the path of the image
  - ○ Under correct conditions addPhoto(String PhotoAccumulated, String Report, Int Timeline) will process like this
    - ■ addPhoto("C://", "Cameratwo", 1032)
      - ● Return "cameratwo_1032"