BIZ ANALYTICS

DECEMBER 2022 QUARTERLY NEWSLETTER

2022 has gone by in a flash, and we are finally in the season of giving where we embrace warm feelings of family and love within the SUSS BA family.

Amidst all the adaptation to regular school life and chasing assignment deadlines, we may sometimes lose focus on the sweeter side of life, which consists of our friends, family and community.

As we move towards the end of the year, let's take some time to reminisce on the good times we have enjoyed in 2022, look forward to and spread some positivity during this season of cheer.

Dec 2022 Issue

GitHub Workshop Organised by BAIG

Boosting Code Literacy among Kids

SUSS Fright Night

Mini Python Challenge

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GitHub

BAIG GitHub Workshop

GitHub is the largest and most complete development platform in the world, used by millions of developers.

It is an enterprise-transforming, community-driven, and secure cloud-based platform.

It allows team members to work together on a project from anywhere and makes it easy for them to collaborate.

It is also a place for anyone from anywhere to build anything that the world needs. This December, BAIG members were given the chance to experience and learn the basics that underline this platform.

In collaboration with SAP staff, BAIG organised a 3-session GitHub Workshop for students to cultivate proficiency with the platform, which will be explored further on the next page!

Participants who attended the 1st session of BAIG's GitHub Workshop hard at work

GitHub

Fun Fact:

GitBash may be a cute name, but did you know that BASH is actually an acronym?

BASH stands for Bourne Again Shell. A "shell" refers to a terminal application that interacts with an operating system through written commands. BASH is commonly used as a default shell on Linux and macOS. Furthermore, GitBash is a package that installs BASH, various common BASH utilities and Git onto Windows.

Adapted from:
https://www.atlassian.com/git/tutorials/git-bash

The first session of the 3-part GitHub Workshop was conducted on 9th December and covered the essentials of GitHub, such as installation of key software including GitBash, which provides an emulation layer for a Git command line experience, and Python. While some of the attendees had no prior coding knowledge, they quickly picked up the basic concepts under the tutelage of Matin, our internal BA student instructor!
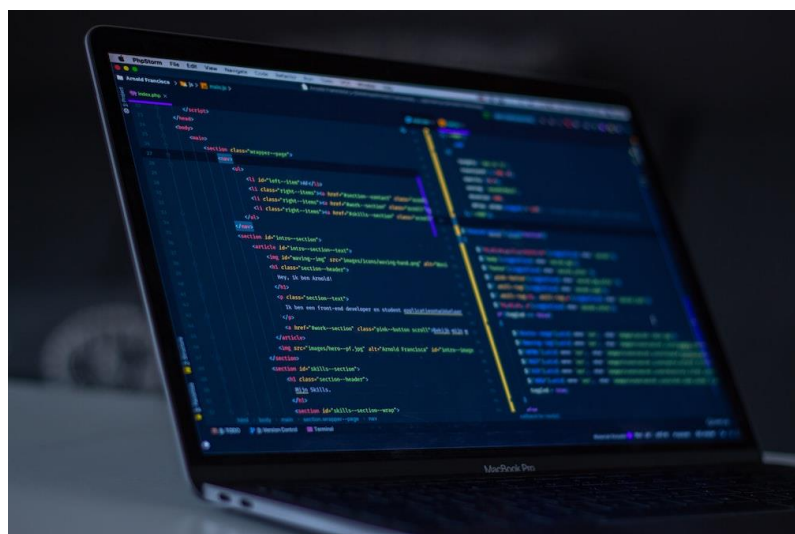

The workshop being kicked off by BAIG member Matin

Boosting Code Literacy among Kids

In this section, we will be looking at a local coding school, Champ Code Academy, that strives to promote children's proficiency in coding so that they will have a solid foundation for their coding journey as they grow. Starting from the young age of 7, kids will be exposed to coding fundamentals such as Variables, Events and Loops, as they build familiarity with new knowledge. Being Business Analytics students, we are aware of the importance of fully understanding the basics of coding as we advance onto more challenging concepts. Hence, we spoke to a teacher at Champ Code Academy, Huang Xin Yi, who is also a member of our SUSS Business Analytics Community!

by Arnold Francisca on Unsplash

Boosting Code Literacy among Kids

Q. Could you share a little bit on your role in Champ Code Academy?

A. I am a teacher in Champ Code Academy, where I conduct lessons for various coding programmes for children aged 7 and above.

Q: What made you decide to impart coding knowledge to children?

A: I personally had no coding experience until I joined the SUSS Business Analytics programme. As I started learning about coding, I realised how interesting and useful the concepts are in our digitally advanced world right now. One day, I came across a LinkedIn job post from Champ Code and thought, "Since I also had preschool teaching experience, why not give this a try? At the same time, I could enhance my coding knowledge and perhaps even learn something new in my free time".

Boosting Code Literacy among Kids

Q. In your opinion, what are some important features of a good coding lesson?

A. I believe that being able to conduct a good coding lesson means to explain the concepts in a simplistic manner for the children to understand. As the students are young, using complex terms will be difficult for them to comprehend.

Q: What are some important concepts that you teach children to code?

A: We are often told to always "make coding fun for the children"! I find this important because students will not enjoy the learning process if they are not having fun or feeling stressed out.

Q: What advice would you give to parents or kids who are wondering about the right time to learn coding?

A: There are trial classes that parents can sign their children up for before starting a coding programme. I believe allowing kids to try out coding through Minecraft or Roblox will help them grow to enjoy coding ☺

SUSS Fright Night

SUSS FRIGHT NIGHT

DATE: 29TH OCT 2022
TIME: 1550– 2100
LOCATION: SUSS CAMPUS

On the 29th of October, BAIG collaborated with SUSS Befrienders, SCIG, HRMIG, SAIG and SUSS Social Work to organise the inaugural SUSS Fright Night.

Students found their familiar campus taken over by ghouls and zombies for one evening in preparation for Halloween, as they prepared themselves for a good scare session. BAIG took the lovable characters from the popular game franchise Among Us, and added a sinister twist in their scare room, adapting the "escape room" theme from the game, and allowing students to discover the "imposter" within their group before the "imposter" eliminates all members in the group.

SUSS Fright Night

Our trusty BAIG team for SUSS Fright Night

Throughout the evening, frighteningly good vibes were in the air, as both the participants and event helpers indulged in spooks and scares. We managed to catch a BAIG member who was involved in the event, and asked him about how he felt about his role in the event.

"It definitely is heart-warming seeing participants having such a good time with their friends, and all the effort we spent organising it has paid off in multiples seeing how successful the event has become", mentioned the BAIG member, and having seen the smiles on the faces of the participants, we were inclined to agree as well!

We also managed to speak to a participant, who, despite having completed the haunted room, was beaming from ear to ear.

"I really had such a fun time with my SUSS friends, and I only wish that the event lasted longer! Very good job to the organising team!". Safe to say, this participant definitely had a ball of a time!

SUSS Fright Night was an overwhelming success, and this can only be attributed to the support shown by the students in the SUSS BA Community, as well as across other majors. Hope to see you back for more spooks and scares next year!
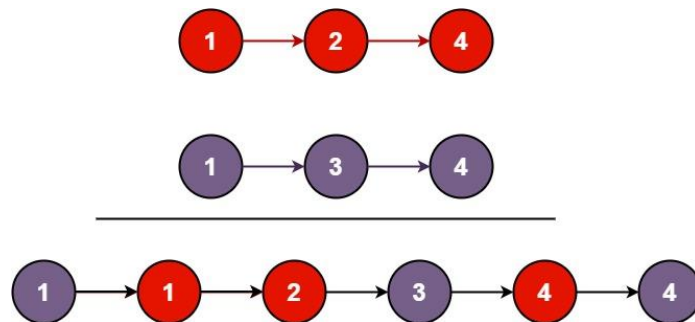
Mini Python Challenge

Merge two sorted linked lists and return it as a new sorted list. The new list should be made by splicing together the nodes of the first two lists.

Example 1:

```
Input: l1 = [1,2,4], l2 = [1,3,4]
Output: [1,1,2,3,4,4]
```


Example 2:

```
Input: l1 = [], l2 = []
Output: []
```

Example 3:

```
Input: l1 = [], l2 = [0]
Output: [0]
```

Constraints:

• The number of nodes in both lists is in the range [0, 50].

• -100 <= Node.val <= 100

• Both lists are sorted in ascending order.

Solution to Mini Python Challenge (September 2022 Issue)

Write a function to find the longest common prefix string amongst an array of strings.
If there is no common prefix, return an empty string "".

Example 1:

Input: strs = ["flower","flow","flight"]

Output: "fl"

Example 2:

Input: strs = ["dog","racecar","car"]

Output: ""

Explanation: There is no common prefix among the input strings.

The code solution is as follows:

```javascript
function prefix(words){
  // check border cases size 1 array and empty first word)
  if (!words[0] || words.length ==  1) return words[0] || "";
  let i = 0;
  // while all words have the same character at position i, increment i
  while(words[0][i] && words.every(w => w[i] === words[0][i]))
    i++;

  // prefix is the substring from the beginning to the last successfully checked i
  return words[0].substr(0, i);
}

console.log(1, prefix([]));
console.log(2, prefix([""]));
console.log(3, prefix(["abc"]));
console.log(4, prefix(["abcdefgh", "abcde", "abe"]));
console.log(5, prefix(["abc", "abc", "abc"]));
console.log(6, prefix(["abc", "abcde", "xyz"]));
```