

Student's Name: Piyush Phuyal

Student's ID:2330536

Class Group: L4CG2(2022)

College id: Np03cs4a220258@heraldcollege.edu.np

## Coding Challenge Questions

### **1. What are the most challenging aspect of the coursework task?**

The most challenging aspect of the coursework is the implementation of class and object since the input and output is not to be done through Main method. For me, the array list is also difficult to implement to some extent. The logic of crushing arrays to smaller arrays, again crushing it into smaller one, sorting it and eventually placing it on the Systematic order of ascending. For this coursework, the logic of Divide and Conquer is used so that it will be less complex to visualize the code. It was really hard to implement the concept of class and objects as we were new to it and for that I used google and other references and eventually completed the task.

### **2. How did you go about completing the task?**

So, for this Coding Challenge I went through the websites first where I was unable to get the required information. Then I again went on researching videos on the trusted YouTube channels where I found channels like "Code with Harry" and other channels also which I am unable to recall but I got to know some basic ideas from there. After that I realized that there is also a video provided for us in our portal, so I also went through it and knew the overall coding mechanism. I also recalled what I learned on our lecture and tutorial classes regarding Array list, Class, and objects. I was unable to recall the Array list since Array and Array list are quite

similar as it sounds like that. I was literally confused on these two, so I again checked videos on YouTube and other slides to eventually complete my task.

### **3. What have you learned over the course of completing this coursework task?**

At the begging of this coursework task, I was nervous and excited too since its my first coding challenge. I was not getting things related to array list since array list and array both seems to be similar which I found confusing. So, for this I revised my lecture and tutorial slides and again went through YouTube to gather more information regarding array list. Eventually I gathered a lot not only about array list but also the implementation of class and object which undoubtedly helped me on the completion of my coursework. Now I think I can grasp some surface knowledge on oops and furthermore in the future I guess more ideas and skills to solve problems on oops is provided.