**D.Praneetha reddy-011498656**

This week:

I am from empty coffee cups group, for our project we are implementing sorting algorithms in a simpler way which helps everyone in understanding the concept. Our project is divided into three phases this week I tried working on first phase of our project which relates to learning process of an algorithm. In our projects we are implementing in levels which starts with easy algorithms in the start. So I started working on bubble sort algorithm this week. The UI of project consists of array of numbers with two buttons step and reset. On clicking step, the operation is performed.

In bubble sort algorithm, numbers are sorted through passes where pointer points from start to end. In every pass, we swap two adjacent numbers when pointing element is greater than beside one. Once all passes are done the array will be sorted. Till now I have implemented basics of UI and working on swapping elements when required. Next level of the project will be helping user test his/her knowledge by creating a game which collects points for every correct answer followed by jeopardy game.

My XP value is simplicity so I am creating a UI which is easy to understand and explains algorithm clearly .I am also writing code in green foot which is easy to understand by a developer .