**PROJECT PAPER**

**Data structures used:**

* Array
* Stack
* Linear search
* Insertion sort

**Submit: Individual (191002130)**

**Project name: Friday bot**

**Project type: Pseudo Intelligent chat bot**

**Language: C++**

**Properties:** This is a Data structures based project. This includes some data structures operations and a large 3 dimensional array. As it is a chat bot, it takes input from user and processes it some logical way to show the output. In the 3D array which is defined as ‘Base’ there are a lot of potential inputs and compatible reply/outputs. So it acts like Artificial intelligent but it is not. So it’s only goal is entertainment. I used some user defined functions beside build in functions. Additionally, this project can be increased/upgraded to any limit any time adding more data in the main array (Base). As a result the more data we put in it, the more intelligently it acts.

**Implementation process:** The program let the user put some text/message as input. Then it processes the input in some human-related way to reply a message:

Reads the message

Memories it

Then compares it with Base

Chooses the best answers

Compares the answers with two functions called ‘past’ and ‘decide’ for acting like intelligent

Replies the answer

Saves the conversation in past function

And then it repeats these steps again and again to chat with the user. By some specified message, the program ends the loop and exits.