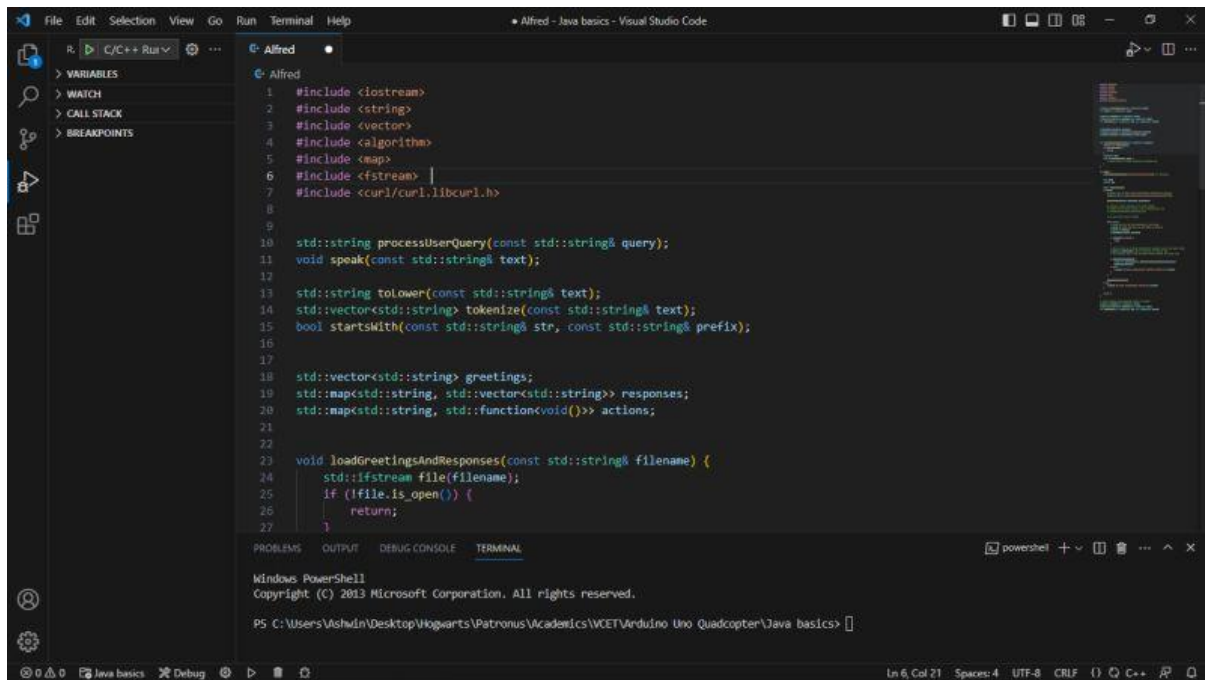


# ALFRED PHASE-1



```
1 #include <iostream>
2 #include <string>
3 #include <vector>
4 #include <algorithm>
5 #include <map>
6 #include <fstream>
7 #include <curl/curl1.libcurl.h>
8
9
10 std::string processUserQuery(const std::string& query);
11 void speak(const std::string& text);
12
13 std::string toLower(const std::string& text);
14 std::vector<std::string> tokenize(const std::string& text);
15 bool startsWith(const std::string& str, const std::string& prefix);
16
17
18 std::vector<std::string> greetings;
19 std::map<std::string, std::vector<std::string>> responses;
20 std::map<std::string, std::function<void()>> actions;
21
22
23 void loadGreetingsAndResponses(const std::string& filename) {
24     std::ifstream file(filename);
25     if (!file.is_open()) {
26         return;
27     }
28 }
```

Well.....here am I after watching all the MCU movies. I have to say , I really loved Tony's personal artificial butlers – JARVIS and FRIDAY. I always wanted to have a private virtual assistant like JARVIS , a butler and a friend whom I can speak with and yes I decided to build one myself.

I am aware that AI is not easy , it will take some time and yes it is going to be real hard especially for a guy who knows nothing about AI and machine learning.

But I love to challenge myself and who knows , maybe I might complete this project in the near future.

So the first step to building ALFRED is to build a speech-to-text conversion model that would support multiple accents but primarily 2 languages – Tamil which is my native and English which I speak often.

So the Phase-1 of the project focuses completely on the speech to text conversion and its various logics and problems. Once this phase is complete , next would be trying to synthesis the text and find meaning , simply creating a chatbot that can understand what I am saying to it!

Wish me luck!.....