Background
Privacy, IoT, and AI are all topics of growing importance and they will all soon control aspects of our lives. Wiley is a rising Junior from Boys Academic Leadership Academy. Hector is a rising sophomore from University High School.

Barnaby, The Voice Assistant
Who is Barnaby?
• Barnaby is a charming young man from Great Britain that has great knowledge on many topics including geography, mathematics, cooking recipes, and many more. You can basically ask him anything!
• Some functions we implemented into Barnaby is knowing the weather forecast, New York Times headlines, searching the news, and (theoretical) online shopping.
• Some customization we added to Barnaby is having him speak in a British accent and also speak in dramatic Elizabethan English, like Shakespeare.

System Design and Implementation
The code shown is what allows the Trivia Barnaby to change the color of an LED light depending on the correctness of the answer. This is one of Barnaby’s unique features.

Extra Functions
• Some extra functions Barnaby has is trivia mode. Barnaby turns into a trivia game show host that asks music related questions.
• Another function our AI has is Karen mode. Karen is our AI “friend” that responds to questions like a rude grandma.

Future Work
Some work we would like to see in the near future is an app to access Barnaby’s trivia mode. But instead of just music related questions, it could have many topics you can access like movies, geography, general knowledge and many more.

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