**Assignment-4**

Develop a mobile application that takes the user input and sends it to IoT device (python code). print the received data in python shell.

Keep a text box to accept the user input.integrate a submit button.

whenever user enters the text input in text box and clicks the button the data should be sent to IBM cloud using URL(HTTP API).

**Python code:**

from cloudant.client import Cloudant

from cloudant.result import Result

# IBM Cloudant Legacy authentication

client = Cloudant(" apikey-v2-6ykeqv0zvq9pc3ohaeis858r45xjipe3bqsp0z9znwd", "43cd4815a9b93e4afbe535a1f4baaffa ",

url=" https://apikey-v2-6ykeqv0zvq9pc3ohaeis858r45xjipe3bqsp0z9znwd:43cd4815a9b93e4afbe535a1f4baaffa@b2b90b77-2d58-4c06-9b03-fcf359560c74-bluemix.cloudantnosqldb.appdomain.cloud ")

client.connect()

database\_name = "data" #Cloudant db name which is udes to store the user input from MIT App using Nodered

my\_database = client.create\_database(database\_name)

result\_collection = Result(my\_database.all\_docs, include\_docs=True)

# Iterate over the result collection

#for result in result\_collection:

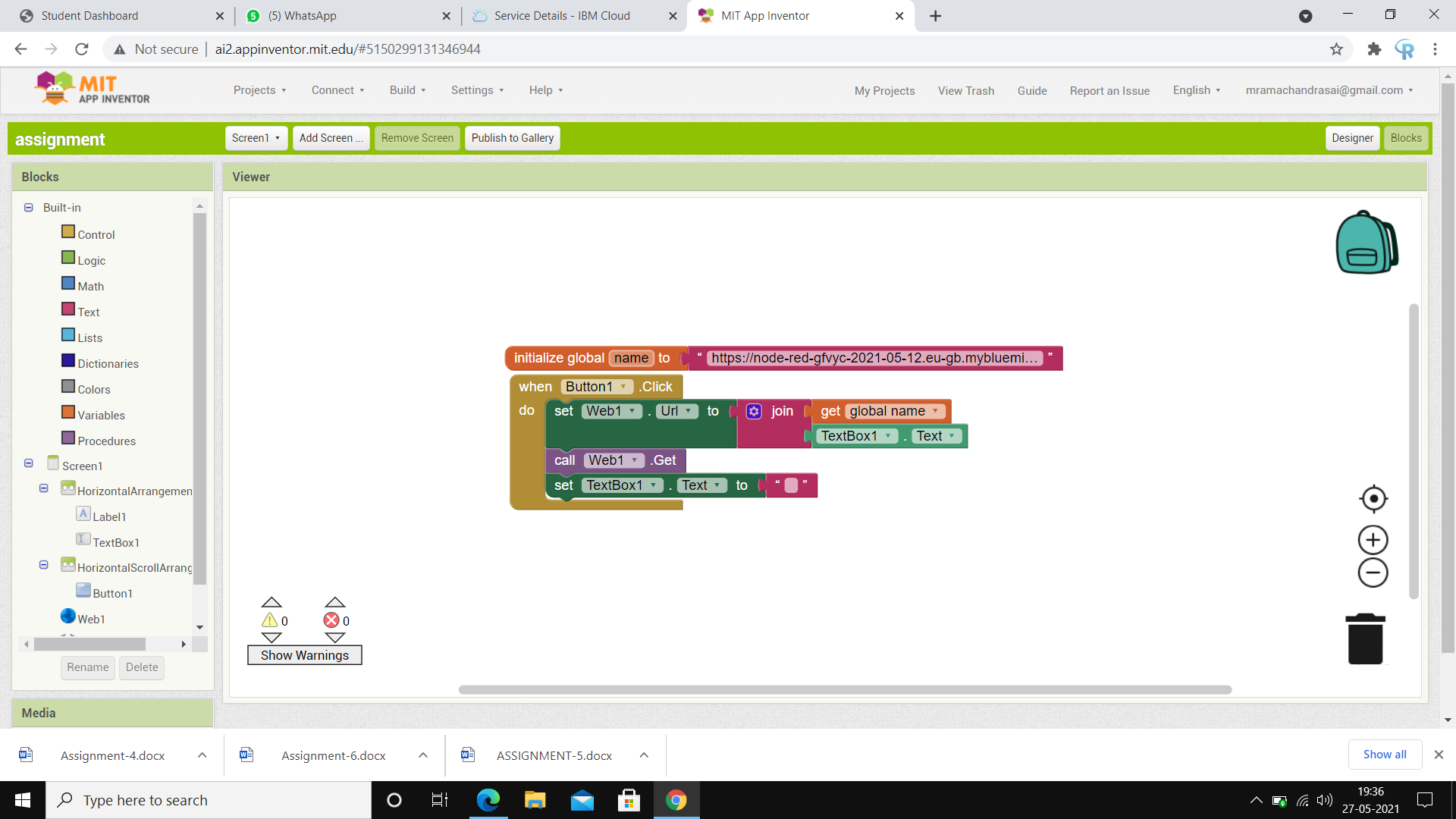
result = result\_collection[0]

result = result[0]

print("The user input received is: ")

print(result['doc']['userInput'])

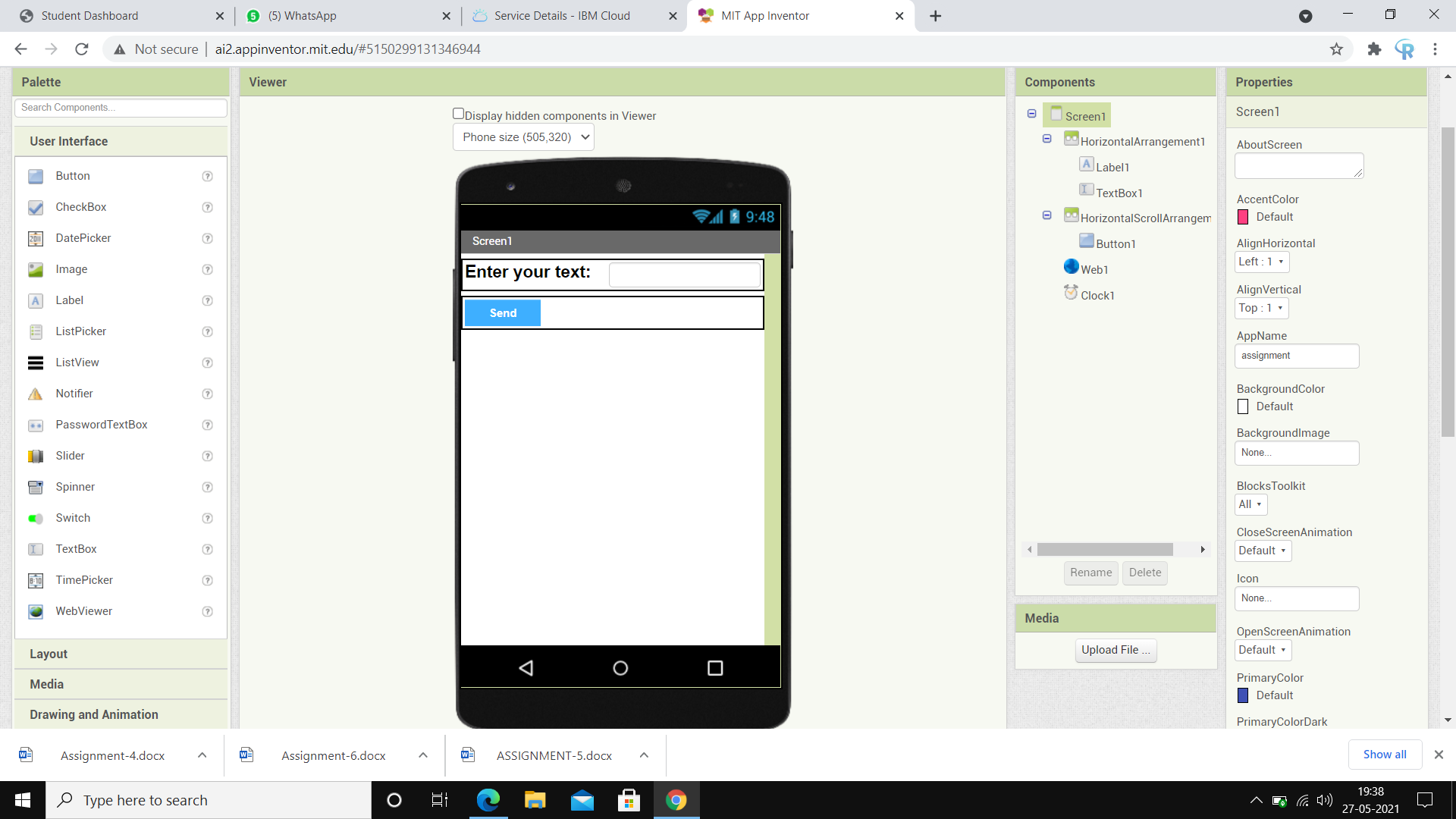
**MIT APP BLOCK:**



**NODE-red:**



**MIT APP:**



**Python Output:**

