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Assignment No. B5

ChatBot Application

Bot.py

**from chatterbot import ChatBot**

**from chatterbot.trainers import ListTrainer from chatterbot.trainers import ChatterBotCorpusTrainer**

**chatbot = ChatBot(name = 'ChatPot',**

**read\_only = True,**

**logic\_adapters = [**

**'chatterbot.logic.MathematicalEvaluation', 'chatterbot.logic.BestMatch'**

**] )**

**corpus\_trainee = ChatterBotCorpusTrainer(chatbot) corpus\_trainee.train('chatterbot.corpus.english')**

**trainer = ListTrainer(chatbot)**

**trainer.train([**

**"Hi",**

**"Welcome, friend ��",**

**])**

**trainer.train([**

**"Are you a plant?",**

**"No, I'm the ChatPot below the plant!",**

**])**

**small\_convo = [**

**'Hi there!',**

**'Hi',**

**'How do you do?',**

**'How are you?',**

**'I\'m cool.',**

**'Always cool.',**

**'I\'m Okay',**

**'Glad to hear that.',**

**'I\'m fine',**

**'I feel awesome',**

**'Excellent, glad to hear that.',**

**'Not so good',**

**'Sorry to hear that.',**

**'What\'s your name?',**

**' I\'m ChatPot. Ask me a math question, please.' ]**

**math\_convo\_1 = [**

**'Pythagorean theorem',**

**'a squared plus b squared equals c squared.' ]**

**math\_convo\_2 = [**

**'Law of Cosines',**

**'c\*\*2 = a\*\*2 + b\*\*2 - 2\*a\*b\*cos(gamma)' ]**

**for i in (small\_convo, math\_convo\_1, math\_convo\_2): trainer.train(i)**

**exit\_conditions = (":q", "quit", "exit") while True:**

**query = input("> ")**

**if query in exit\_conditions:**

**print("Thanks....")**

**break**

**else:**

**print(f"�� {chatbot.get\_response(query)}")**

**Output:**

