

## Summary

Created a chatbot using Java + AIML (Artificial Intelligence Modelling Language) which is XML based markup language meant to create artificial intelligent applications. Here I used Program AB a Java based reference implementation of AIML.

How to set up and run an application?

1. Download a zip and extract to any location.
2. Import this as a maven project under eclipse or any other IDE and build using maven clean install -DskipTests=true
3. Execute the Chatbot.java as a Java Application under eclipse, or any other IDE.
4. It will load all AIML files, and will show a input requesting prompt as Human :
5. Here you can add some of the questions as below which will answer in return. We can train this AIML more strongly to get accurate results.
  - a. SHOW ME ALL PRODUCT CATEGORIES
  - b. WHICH IS MOST SELLABLE PRODUCT
  - c. WHICH IS LEAST SELLABLE PRODUCT
  - d. LIST OF LATEST MOBILES
  - e. WHICH IS THE BEST MOBILE PRODUCT
  - f. HOW MANY SUB CATEGORIES UNDER ELECTRONICS
6. Also you can ask some general questions too like below
  - a. What is your name?
  - b. How old are you?
  - c. What is your job?And many more

## Screenshots:

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Robot : hi.  
Human : what is your name  
Robot : My name is  
SUPER.  
Human : how old are you  
CalendarUtils.date: May 15, 2023  
CalendarUtils.date: May 15, 2023  
Robot : I am 10 years old.  
Human : what is your job?  
Robot : I'm a mobile virtual assistant.  
Human : SHOW ME ALL PRODUCT CATEGORIES  
Robot : We have Electronic, Furniture, Groceries, Toys etc.  
Human : WHICH IS MOST SELLABLE PRODUCT  
Robot : Electronics is the most sellable product.  
Human : WHICH IS LEAST SELLABLE PRODUCT  
Robot : Toys is the least sellable product.  
Human : LIST OF LATEST MOBILES  
Robot : SAMSUNG GALAXY S23, APPLE IPHONE 14 ARE SOME OF GOOD ELECTRONICS PRODUCTS  
Human : WHICH IS THE BEST MOBILE PRODUCT  
Robot : SAMSUNG GALAXY S23 IS THE BEST  
Human : HOW MANY SUB CATEGORIES UNDER ELECTRONICS  
Robot : We have Mobiles, Home appliances, Gadgets, Laptops and many more  
Human :
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