

REPORT

ChatBot in Java

A chatbot is a computer program that simulates and processes human conversation (either written or spoken), allowing humans to interact with digital devices as if they were communicating with a real person. Chatbots can be as simple as rudimentary programs that answer a simple query with a single-line response, or as sophisticated as digital assistants that learn and evolve to deliver increasing levels of personalization as they gather and process information.

How Do Chatbots Work?

A chatbot is merely a computer program that fundamentally simulates human conversations. It allows a form of interaction between a human and a machine the communication, which happens via messages or voice command. A chatbot is programmed to work independently from a human operator. It can answer questions formulated to it in natural language and respond like a real person. It provides responses based on a combination of predefined scripts and machine learning applications. When it is asked a question, the chatbot will respond based on the knowledge database available to it at that point in time.

What is JAVA?

Java is a programming language and computing platform first released by Sun Microsystems in 1995. It has evolved from humble beginnings to power a large share of today's digital world, by providing the reliable platform upon which many services and applications are built. New, innovative products and digital services designed for the future continue to rely on Java, as well.

Data Extracted from Website

1. Who is Marvin Mark Smith?

Ans :- He is an American businessman and politician.

2. Which party is he associated with?

Ans :- He is associated with the Republican party.

3. When was he born?

Ans :- He was born on June 18, 1970 in Bamberg, Germany.

4. What was his father's name?

Ans :- His father's name was Randy Smith.

5. What was his mother's name?

Ans :- His mother's name was Elayne Forastiere.

6. What was his son's name?

Ans :- His son's name was Parker, Avery and Dominic.

7. How many sons does he have?

Ans :- He has three sons

8. When was he married?

Ans :- He married on October 24, 1993.

9. Where did he graduate from?

Ans :- He graduated from Fayetteville Technical College.

10. When did he graduate?

Ans :- He graduated in 1993.

11. Who is the president of McAlister-Smith Funeral Homes, Inc?

Ans :- Marvin Mark Smith is the president of McAlister -Smith Funeral Homes, Inc.

12. Who is the CEO of McAlister-Smith Funeral Homes, Inc?

Ans :- Marvin Mark Smith is the CEO of McAlister -Smith Funeral Homes, Inc.

13. What was his Columbia Address?

Ans :- His Columbia Address is 327A Blatt Bldg. Columbia 29201.

14. What is his Business phone number?

Ans :- His Business phone number is (803) 221-6719.

15. What was his Home Address?

Ans :- His Home Address is 1125 Pinefield Drive, Charleston 29492.

16. What was his home phone number?

Ans :- His Home phone number is (843) 442-8371.

17. Who was the past president of East Cooper Republican Club?

Ans :- Marvin Mark Smith was the past president of the East Republican Club.

18. Who is a member of Daniel Island Rotary Club?

Ans :- Marvin Mark Smith is a member of Daniel Island Rotary Club.

19. Who is the past chairman of a Low Country Food Bank?

Ans :- Marvin Mark Smith was a past chairman of a Low Country Food Bank.

20. Who was Director General at (IWMI)?

Ans :- Marvin Mark Smith Director General at (IWMI).

Implemented code in java

ChatBot.java

```
import java.util.*;

public class ChatBot {

    public static void main(String args[])
    {

        Scanner sc=new Scanner(System.in);
        System.out.println("Hey there I'm Chat Bot");
        boolean running = true;
        String input;
        while(running = true)
        {
            System.out.println(" ");
            input = sc.nextLine();
            if( input.length() == 0 )
            {
                System.out.println( "Please say something :)" );
            }

            else if(input.equals("Hi") ||
                    input.equals("hello") ||
                    input.equals("hey") ||
                    input.equals("hiya") ||
                    input.equals("heya" )

                    {
                        System.out.println( "Hello to you too!" );
                    }

            else if(
                    input.equals("how are you") ||
                    input.equals("hows it going") ||
                    input.equals("yo wassup") ||
                    input.equals("heya") ||
                    input.equals("hey whats up") ||
                    input.equals("How are you?") ||
                    input.equals("whats up") )
```

```
{  
    System.out.println( "I'm good, how are you?" );  
}
```

```
    else if(  
        input.equals("bye") ||  
        input.equals("Bye") ||  
        input.equals("over") ||  
        input.equals("Finished") ||  
        input.equals("finish" )  
    )  
    {  
        System.out.println("Bye See you Again !");  
    }
```

```
    else if(  
        input.equals("What is District 99 ?") ||  
        input.equals("District 99 ") ||  
        input.equals("district 99") ||  
        input.equals("99") ||  
        input.equals("district99" )  
    )  
    {
```

```
        System.out.println("District 99 provides a caring and challenging environment where all  
students develop as lifelong learners !");
```

```
    }
```

```
else if(input.equals("Who is Marvin Mark Smith?"))  
{  
    System.out.println("He is an American businessman and politician.");  
}
```

```
else if(input.equals("Which party is he associated with?"))  
{  
    System.out.println("He is associated with the Republican party.");  
}
```

```
else if(input.equals("When was he born?"))
```

```
{
```

```
        System.out.println("He was born on june 18,1970 in Bamberg , Germany.");
    }

    else if(input.equals("What was his father's name?"))
    {
        System.out.println("His father's name was Randy smith.");
    }

    else if(input.equals("What was his mother's name?"))
    {
        System.out.println("His mother's name was Elayne Forastiere.");
    }

    else if(input.equals("What was his son's name?"))
    {
        System.out.println("His son's name was Parker,Avery and Dominic.");
    }

    else if(input.equals("How many son's he have?"))
    {
        System.out.println("He has three sons");
    }

    else if(input.equals("When he was married?"))
    {
        System.out.println("He married on october 24 , 1993 .");
    }

    else if(input.equals("Where did he graduate from?"))
    {
        System.out.println("He graduated from Fayetteville Technical college.");
    }

    else if(input.equals("When did he graduate?"))
    {
        System.out.println(" He graduated in 1993.");
    }
```

```

    }

else if(input.equals("Who is the president of McAlister-Smith funeral Homes ,inc?"))
{
System.out.println("Marvin Mark Smith is the president of McAlister -Smith funeral Homes ,inc.");

}

else if(input.equals("Who is the CEO of McAlister-Smith Funeral Homes,inc?"))
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}

else if(input.equals("What was his Columbai Address?"))
{
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System.out.println("His Business phone number is (803) 221-6719.");

}

else if(input.equals("What was his Home Address?"))
{
System.out.println("His Home Address is "+ " 1125 Pinefield Drive"+ "Charleston 29492.");

}

else if(input.equals("What was his home phone number?"))
{
System.out.println("His Home phone number is (843) 442-8371.");

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System.out.println("Marvin Mark Smith was the past president of the East Republican club.");

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```

```
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    }

    else if(input.equals("Who is the past chairman of a low country food bank?"))
    {
        System.out.println("Marvin Mark Smith was a past chairman of a low country food bank.");

    }

    else if(input.equals("Who was Director General at (IWMI)?"))
    {
        System.out.println("Marvin Mark Smith Director General at (IWMI).");

    }
    else
    {
        System.out.println("Sorry I don't understand");

    }

    }

}

}
```

Output Preview

eclipse-workspace - chatBotProject/src/ChatBot.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help



Console ×
ChatBot [Java Application] C:\Users\Asus\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_

Hi

Hi there

bye

Bye

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Thank you