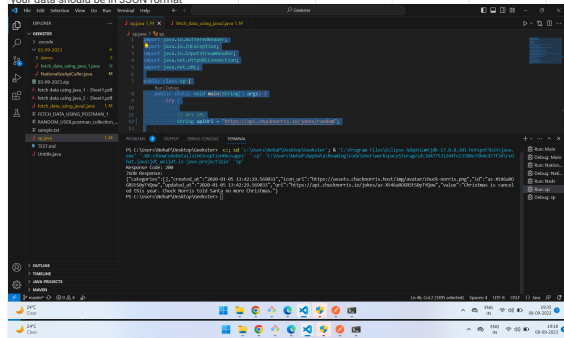


Call API -

<https://api.chucknorris.io/jokes/random>

your task is to call the above API using Java and fetch data
your data should be in JSON format



The screenshot shows an IDE with a project named 'Jokes'. The 'src' folder contains a 'main' package with a 'main.java' file. The 'main.java' file is open, showing the following code:

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

public class sp {
    public static void main(String[] args) {
        try {
            // API URL
            String apiUrl = "https://api.chucknorris.io/jokes/random";

            // Create a URL object
            URL url = new URL(apiUrl);

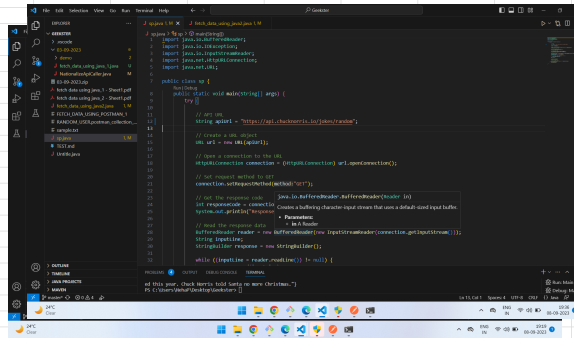
            // Open a connection to the URL
            HttpURLConnection connection = (HttpURLConnection) url.openConnection();

            // Set request method to GET
            connection.setRequestMethod("GET");

            // Get the response code
            int responseCode = connection.getResponseCode();
            System.out.println("Response Code: " + responseCode);

            // Read the response data
            BufferedReader reader = new BufferedReader(new InputStreamReader(connection.getInputStream()));
            String inputLine;
            StringBuilder response = new StringBuilder();

            while ((inputLine = reader.readLine()) != null) {
                response.append(inputLine);
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```



The screenshot shows the same IDE with the 'main.java' file open. The code is the same as the previous screenshot, but the 'main' method is now enclosed in a try-catch block to handle potential exceptions.

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

public class sp {
    public static void main(String[] args) {
        try {
            // API URL
            String apiUrl = "https://api.chucknorris.io/jokes/random";

            // Create a URL object
            URL url = new URL(apiUrl);

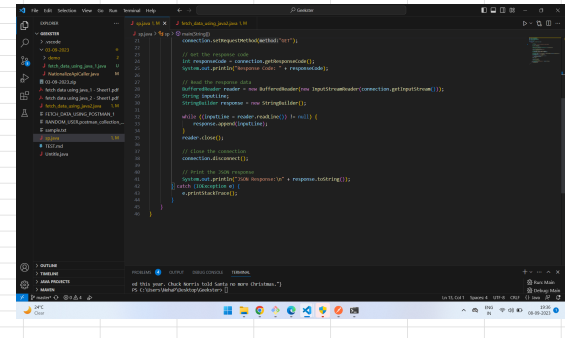
            // Open a connection to the URL
            HttpURLConnection connection = (HttpURLConnection) url.openConnection();

            // Set request method to GET
            connection.setRequestMethod("GET");

            // Get the response code
            int responseCode = connection.getResponseCode();
            System.out.println("Response Code: " + responseCode);

            // Read the response data
            BufferedReader reader = new BufferedReader(new InputStreamReader(connection.getInputStream()));
            String inputLine;
            StringBuilder response = new StringBuilder();

            while ((inputLine = reader.readLine()) != null) {
                response.append(inputLine);
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```



The screenshot shows the same IDE with the 'main.java' file open. The code is the same as the previous screenshot, but the 'main' method is now enclosed in a try-catch block to handle potential exceptions. The code also includes a comment indicating that the response is in JSON format.

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

public class sp {
    public static void main(String[] args) {
        try {
            // API URL
            String apiUrl = "https://api.chucknorris.io/jokes/random";

            // Create a URL object
            URL url = new URL(apiUrl);

            // Open a connection to the URL
            HttpURLConnection connection = (HttpURLConnection) url.openConnection();

            // Set request method to GET
            connection.setRequestMethod("GET");

            // Get the response code
            int responseCode = connection.getResponseCode();
            System.out.println("Response Code: " + responseCode);

            // Read the response data
            BufferedReader reader = new BufferedReader(new InputStreamReader(connection.getInputStream()));
            String inputLine;
            StringBuilder response = new StringBuilder();

            while ((inputLine = reader.readLine()) != null) {
                response.append(inputLine);
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

```
import java.io.BufferedReader;
import java.io.IOException;
import java.io.InputStreamReader;
import java.net.HttpURLConnection;
import java.net.URL;

public class sp {
    public static void main(String[] args) {
        try {
            // API URL
            String apiUrl = "https://api.chucknorris.io/jokes/random";

            // Create a URL object
            URL url = new URL(apiUrl);

            // Open a connection to the URL
            HttpURLConnection connection = (HttpURLConnection) url.openConnection();

            // Set request method to GET
            connection.setRequestMethod("GET");

            // Get the response code
            int responseCode = connection.getResponseCode();
            System.out.println("Response Code: " + responseCode);

            // Read the response data
            BufferedReader reader = new BufferedReader(new InputStreamReader(connection.getInputStream()));
            String inputLine;
            StringBuilder response = new StringBuilder();

            while ((inputLine = reader.readLine()) != null) {
                response.append(inputLine);
            }
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}
```

```
reader.close();

// Close the connection
connection.disconnect();

// Print the JSON response
System.out.println("JSON Response:\n" + response.toString());
} catch (IOException e) {
    e.printStackTrace();
}
}
```

```
// Close the connection
connection.disconnect();

// Print the JSON response
System.out.println("JSON Response:\n" + response.toString());
} catch (IOException e) {
    e.printStackTrace();
}
}
```

```
// Print the JSON response
System.out.println("JSON Response:\n" + response.toString());
} catch (IOException e) {
    e.printStackTrace();
}
}
```

```
System.out.println("JSON Response:\n" + response.toString());
} catch (IOException e) {
    e.printStackTrace();
}
}
```

```
    } catch (IOException e) {
        e.printStackTrace();
    }
}
}
```

e.printStackTrace();
}
}
}