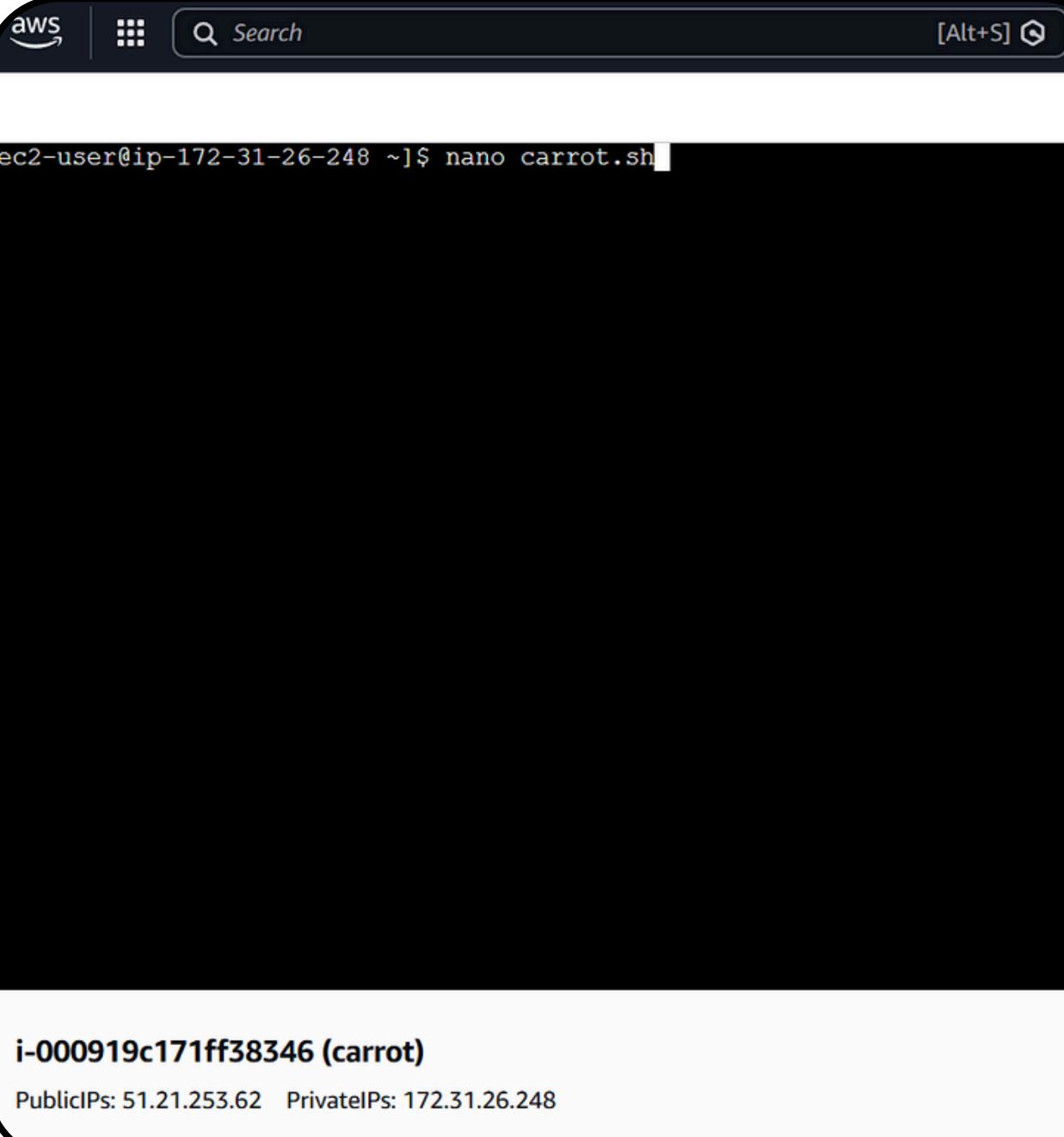


Devop's

SHELL SCRIPTING INPUT TASK

Home Internet Connectivity Issue



A screenshot of an AWS CloudShell terminal window. The terminal shows the command `ec2-user@ip-172-31-26-248 ~]$ nano carrot.sh` being entered. Below the terminal, a callout box displays the instance ID `i-000919c171ff38346 (carrot)` and its public and private IP addresses: `PublicIPs: 51.21.253.62 PrivateIPs: 172.31.26.248`.

IN LINUX EC-2

CREATING NANO .SH

Creating a nano carrot.sh

creating a shell script on an EC2 instance involves three primary steps: creating the file with nano name.sh, writing your logic (starting with the `#!/bin/bash` shebang) and authorizing execution using sh. This process transforms a simple text file into a powerful automation tool capable of managing your cloud environment directly from the Linux command line.

CREATING SHELL SCRIPTING



By using `#!/bin/bash`

Creating a shell script on an EC2 instance via nano name.sh is the process of building an automated instruction set for your Linux environment. By starting the file with the shebang (`#!/bin/bash`), you explicitly instruct the system to use the Bash interpreter to process your commands, ensuring consistency and reliability.

SHELL SCRIPT

The screenshot shows a terminal window titled "aws" with a search bar and a "Search" button. The nano editor is open with the following content:

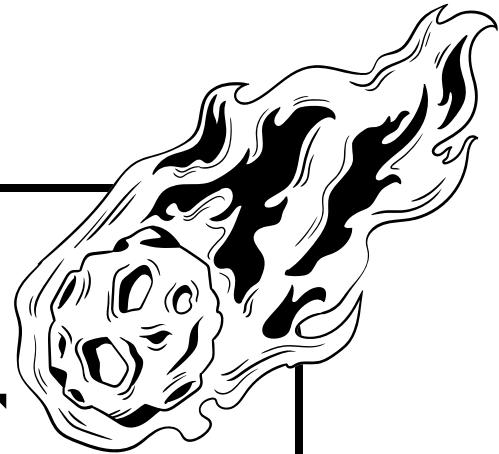
```
GNU nano 8.3
#!/bin/bash
```

At the bottom of the terminal window, there is a menu bar with the following options:

- G Help
- X Exit
- ^O Write Out
- ^R Read File
- ^F Where Is
- ^\\ Replace
- ^K Cut
- ^U Paste
- ^T Execute
- ^J Justify

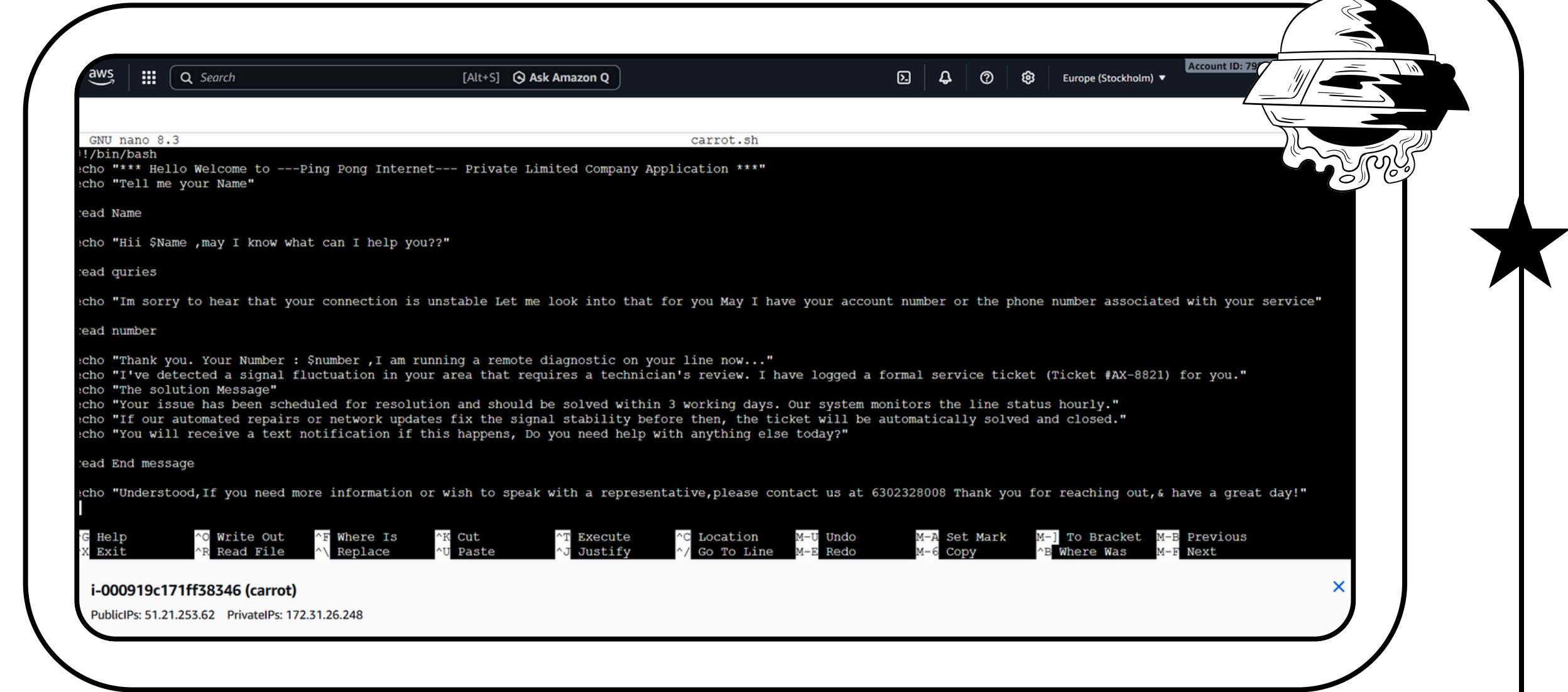
Below the terminal window, the IP addresses are listed as:

i-000919c171ff38346 (carrot)
Public IPs: 51.21.253.62 Private IPs: 172.31.26.248



USING ECHO & READ COMMAND

Creating output By
using echo command



```
GNU nano 8.3
#!/bin/bash
echo "*** Hello Welcome to ---Ping Pong Internet--- Private Limited Company Application ***"
echo "Tell me your Name"

read Name

echo "Hii $Name ,may I know what can I help you??"

read quries

echo "Im sorry to hear that your connection is unstable Let me look into that for you May I have your account number or the phone number associated with your service"

read number

echo "Thank you. Your Number : $number ,I am running a remote diagnostic on your line now..."
echo "I've detected a signal fluctuation in your area that requires a technician's review. I have logged a formal service ticket (Ticket #AX-8821) for you."
echo "The solution Message"
echo "Your issue has been scheduled for resolution and should be solved within 3 working days. Our system monitors the line status hourly."
echo "If our automated repairs or network updates fix the signal stability before then, the ticket will be automatically solved and closed."
echo "You will receive a text notification if this happens, Do you need help with anything else today?"

read End message

echo "Understood,If you need more information or wish to speak with a representative,please contact us at 6302328008 Thank you for reaching out,& have a great day!"
```

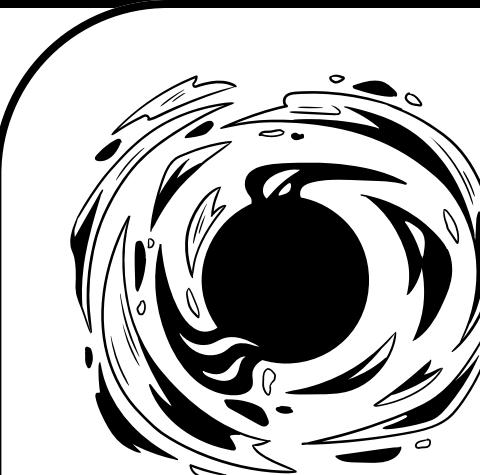
i-000919c171ff38346 (carrot)
PublicIPs: 51.21.253.62 PrivateIPs: 172.31.26.248

In shell scripting, the read command acts as an interactive bridge that pauses script execution to capture user input and store it into variables. By using read for specific fields like name, number-id, and queries, you can create a dynamic experience where the script adapts to the user's data. Once the information is captured, the echo command is used to output that data, often combined with descriptive text to confirm the entries or format them for a report.



```
aws | Search [Alt+S] Ask Amazon Q  
[ec2-user@ip-172-31-26-248 ~]$ nano carrot.sh  
[ec2-user@ip-172-31-26-248 ~]$ bash carrot.sh  
*** Hello Welcome to ---Ping Pong Internet--- Private Limited Company Application ***  
Tell me your Name  
shyam
```

i-000919c171ff38346 (carrot)
PublicIPs: 51.21.253.62 PrivateIPs: 172.31.26.248



CHECK USER.SH

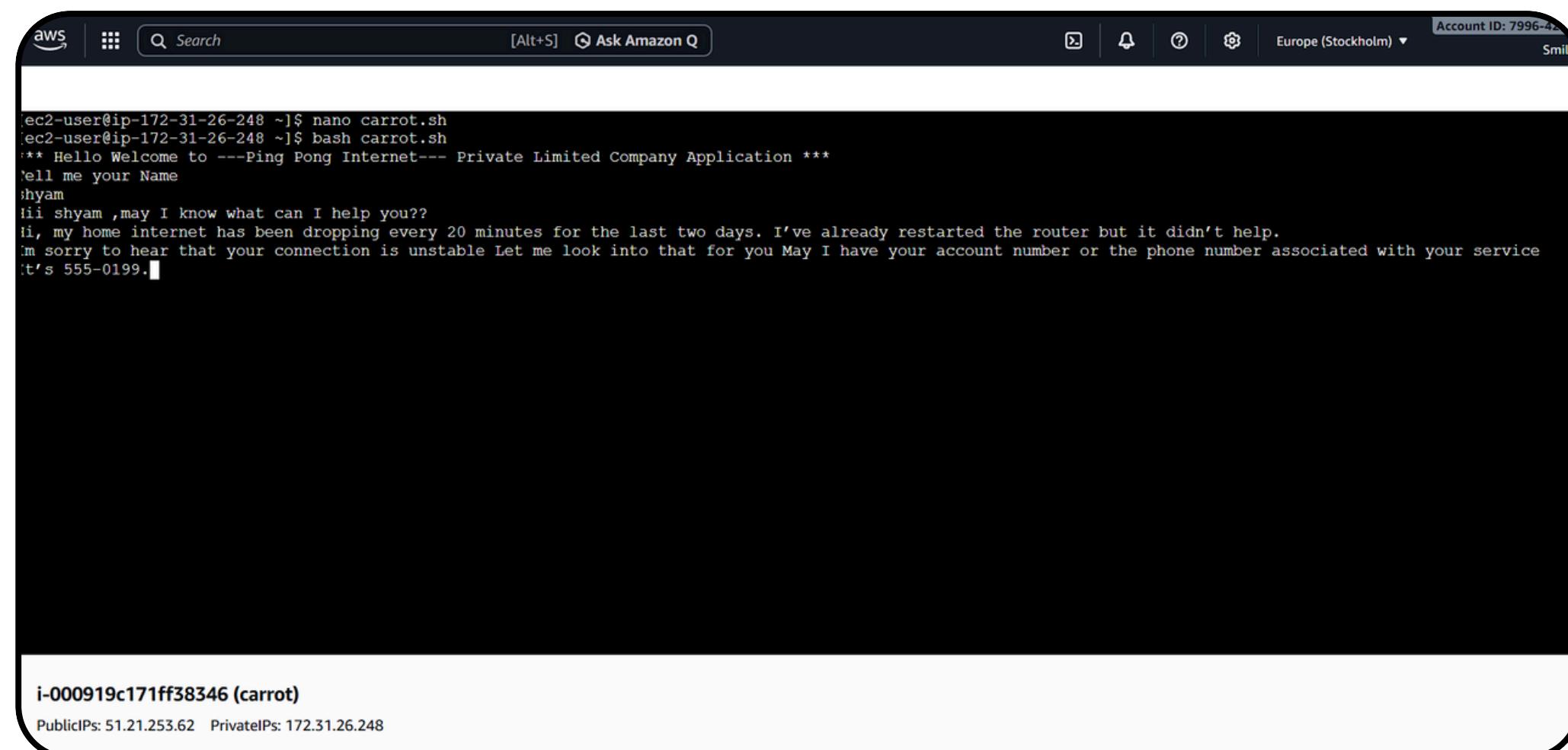
Using bash user.sh To process of shell



To run the script, use the command `bash username.sh`, which triggers the Bash interpreter to execute your instructions. The process begins by displaying a welcome message via the `echo` command, setting a professional tone for the session. It then uses the `read` command to pause the script and prompt you for your name, capturing your input into a variable. Finally, the shell processes this data to provide a personalized response, completing the interactive cycle of automated input and output.

ENTERING READ COMMAND

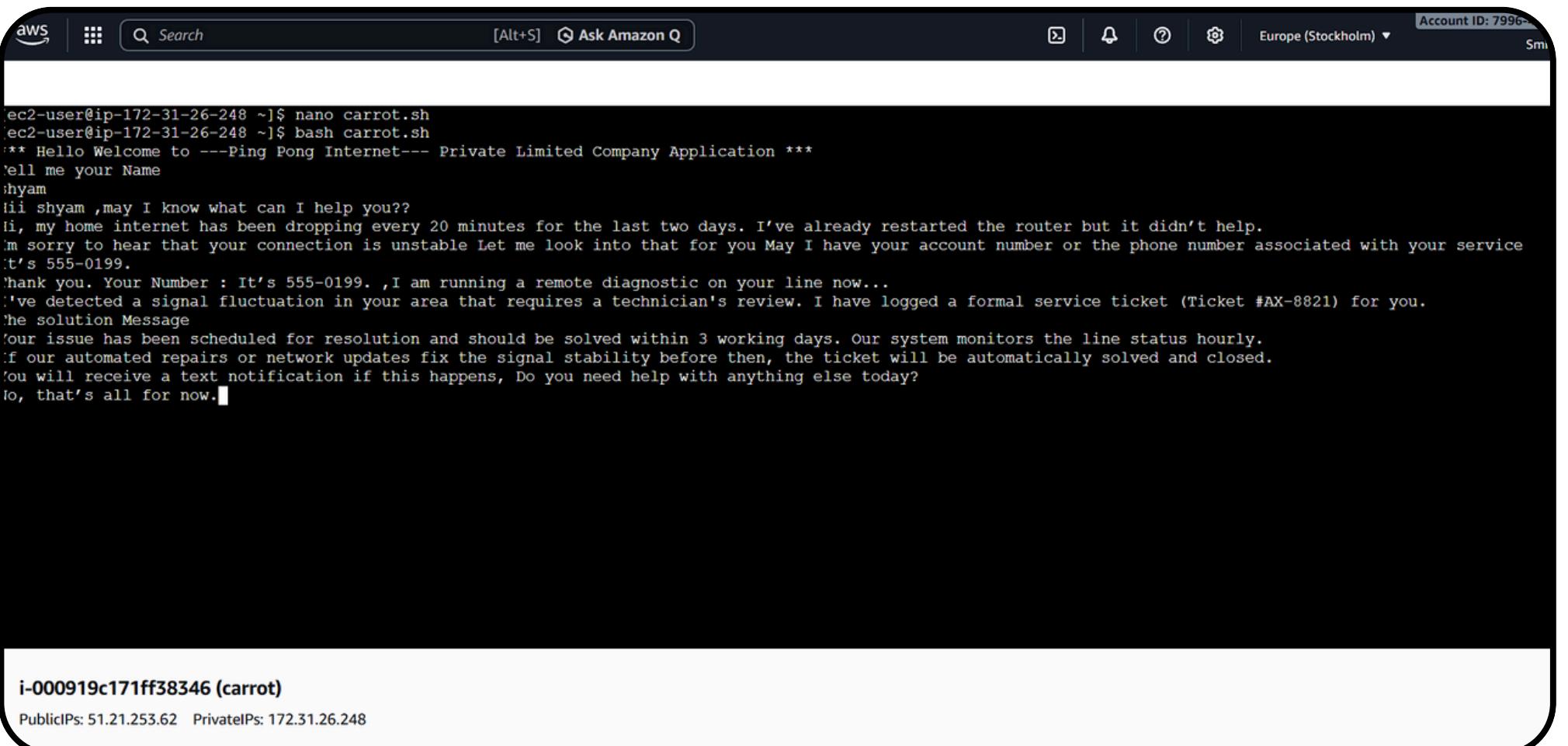
In shell scripting, you can use the read command to capture a number from the user and immediately display it using echo. By adding the -p flag, you can combine the prompt and the input step into one line for a cleaner look.



A screenshot of a terminal window titled "aws" with a search bar and various icons at the top. The terminal shows the following session:

```
ec2-user@ip-172-31-26-248 ~]$ nano carrot.sh
[ec2-user@ip-172-31-26-248 ~]$ bash carrot.sh
*** Hello Welcome to ---Ping Pong Internet--- Private Limited Company Application ***
tell me your Name
shyam
Hi shyam ,may I know what can I help you??
Hi, my home internet has been dropping every 20 minutes for the last two days. I've already restarted the router but it didn't help.
I'm sorry to hear that your connection is unstable Let me look into that for you May I have your account number or the phone number associated with your service
It's 555-0199.
```

The terminal window is set against a background of a cartoonish alien head on the left and a cartoonish horse head on the right, both looking towards the center. The alien has large, bulbous eyes and a small mouth, while the horse has a large, expressive eye and a wide, smiling mouth. There are also two black stars, one on each side of the terminal window.



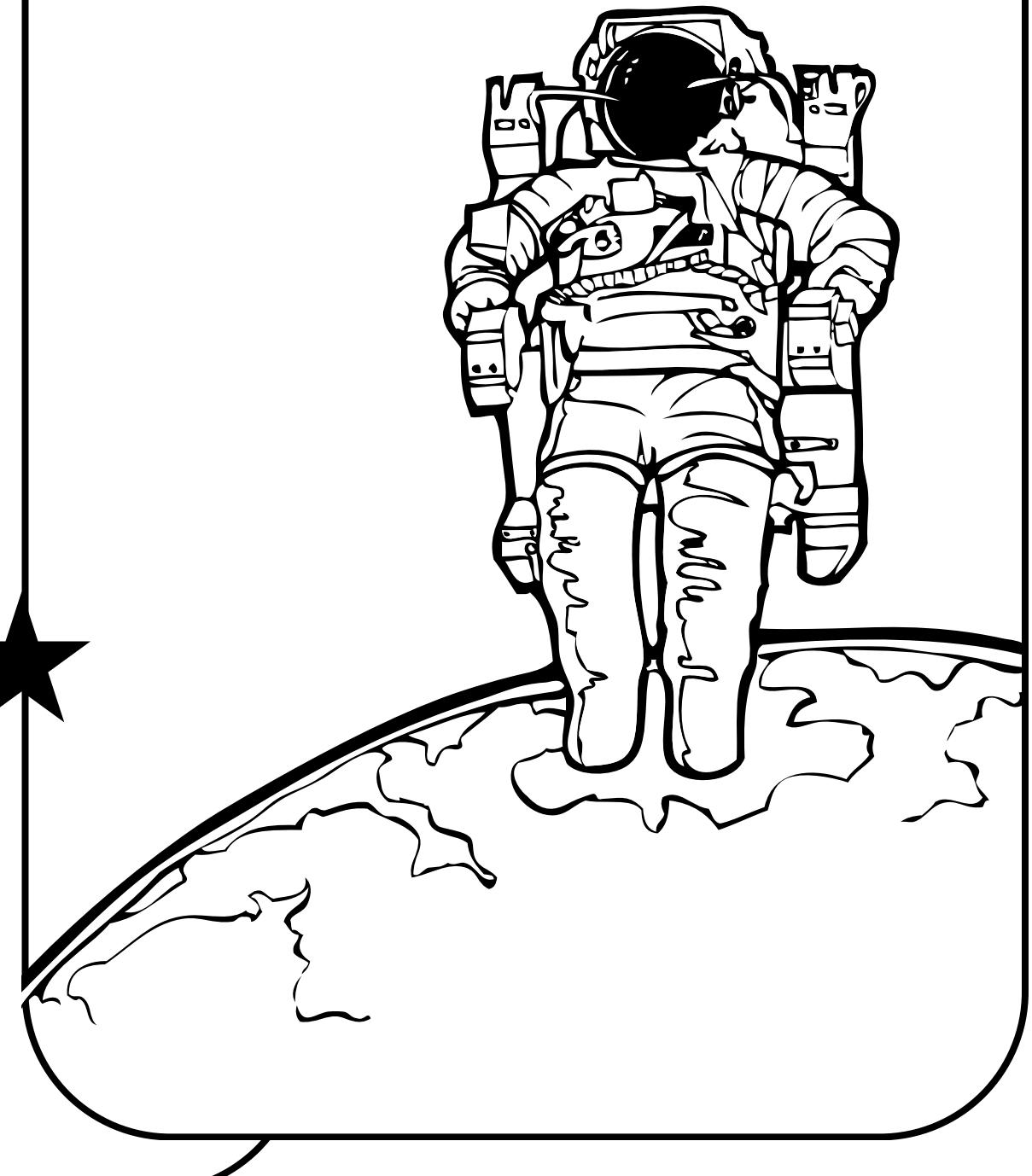
```
ec2-user@ip-172-31-26-248 ~]$ nano carrot.sh
ec2-user@ip-172-31-26-248 ~]$ bash carrot.sh
*** Hello Welcome to ---Ping Pong Internet--- Private Limited Company Application ***
tell me your Name
shyam
hi shyam ,may I know what can I help you??
Hi, my home internet has been dropping every 20 minutes for the last two days. I've already restarted the router but it didn't help.
I'm sorry to hear that your connection is unstable Let me look into that for you May I have your account number or the phone number associated with your service
It's 555-0199.
Thank you. Your Number : It's 555-0199. ,I am running a remote diagnostic on your line now...
I've detected a signal fluctuation in your area that requires a technician's review. I have logged a formal service ticket (Ticket #AX-8821) for you.
The solution Message
Our issue has been scheduled for resolution and should be solved within 3 working days. Our system monitors the line status hourly.
If our automated repairs or network updates fix the signal stability before then, the ticket will be automatically solved and closed.
You will receive a text notification if this happens, Do you need help with anything else today?
Lo, that's all for now.
```

i-000919c171ff38346 (carrot)
PublicIPs: 51.21.253.62 PrivateIPs: 172.31.26.248

Replaying After Asking you need Any thing else message

use echo to ask "Anything else you need?" and read to capture the final response. This pauses the script, allowing you to type a message before the process closes.

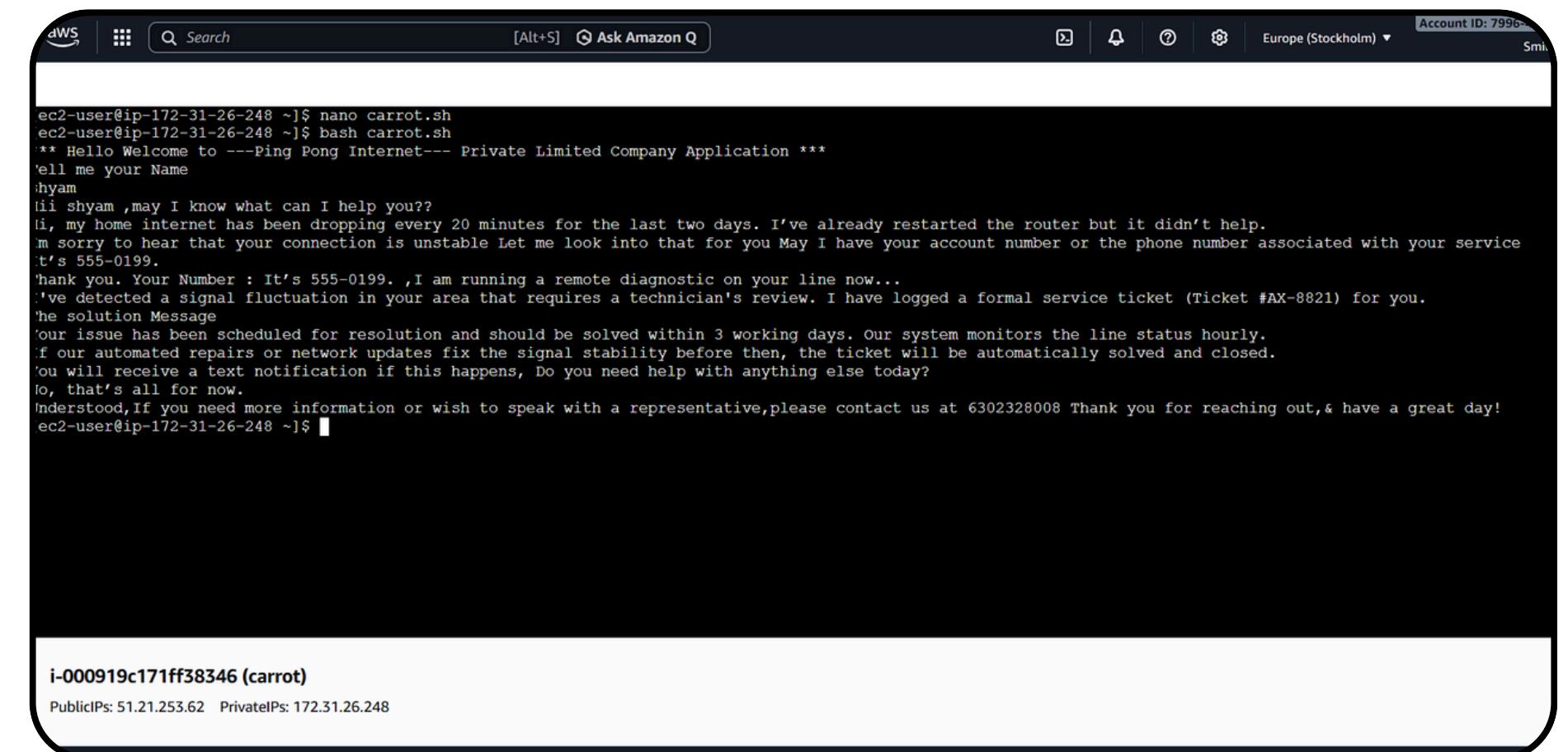
LEAVING MESSAGE



About the shell script

In this "Ping Pong Company" scenario, your shell script functions as a home-based chatbot that facilitates a dialogue between the user and the company. The process begins with the script echoing a professional welcome message on behalf of the company, immediately followed by a read command to capture the user's name. The interaction then transitions into the "Ping Pong" logic, where the company side asks for a reference number and the user's specific queries using sequential input prompts.

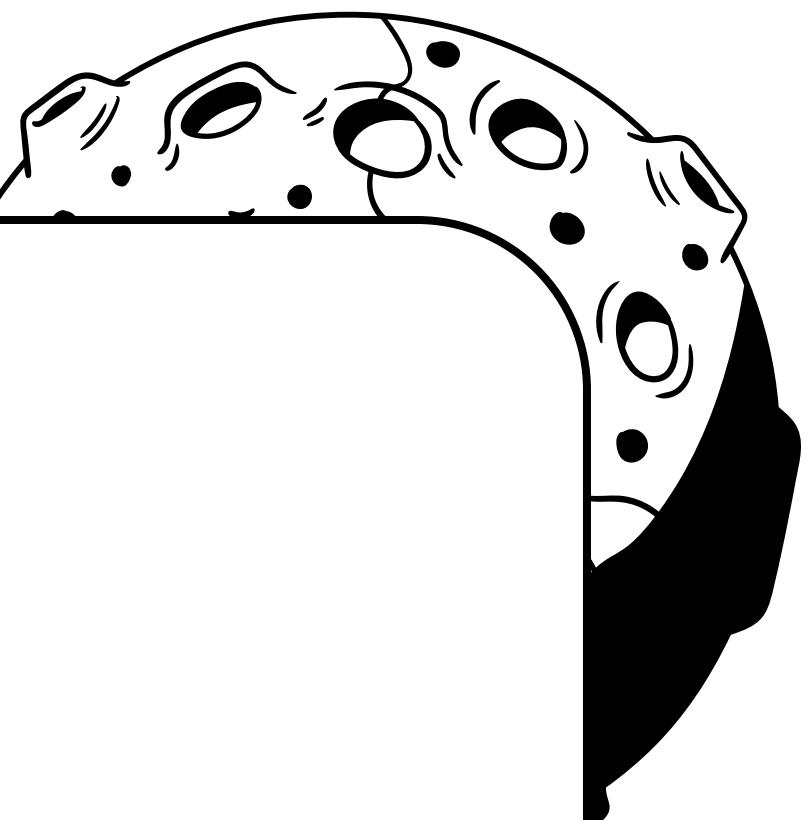
TOTAL SHELL SCRIPTING MESSAGES



A screenshot of a terminal window titled "Amazon CloudWatch Metrics" with the URL "https://cloudwatchmetricsamazon.com". The window shows a shell session with the following transcript:

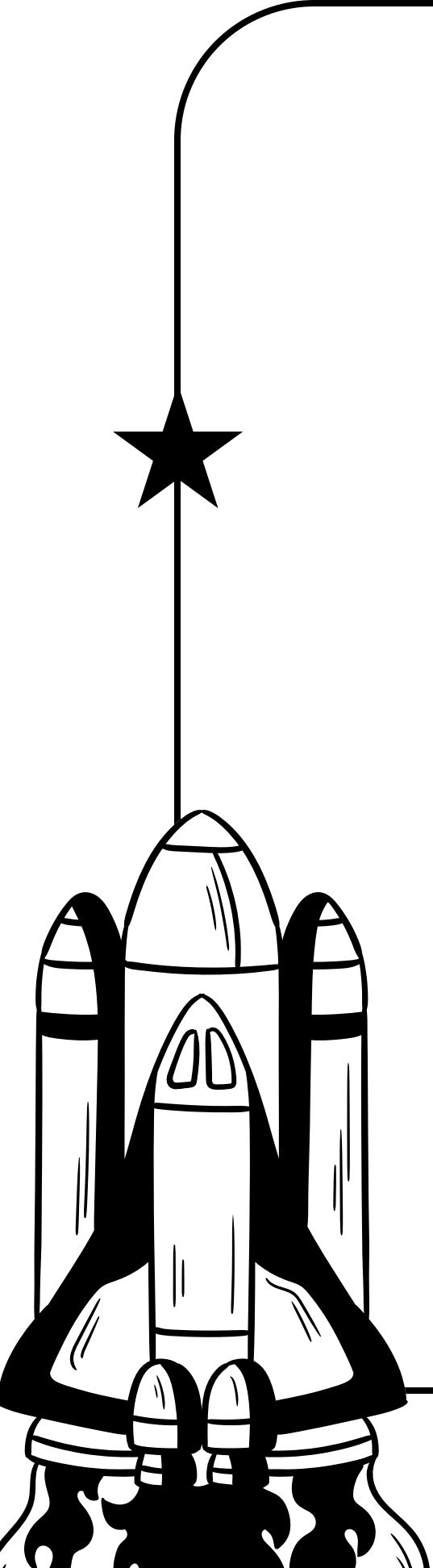
```
ec2-user@ip-172-31-26-248 ~]$ nano carrot.sh
ec2-user@ip-172-31-26-248 ~]$ bash carrot.sh
** Hello Welcome to ---Ping Pong Internet--- Private Limited Company Application ***
'ell me your Name
:hyam
Iii shyam ,may I know what can I help you??
i, my home internet has been dropping every 20 minutes for the last two days. I've already restarted the router but it didn't help.
m sorry to hear that your connection is unstable Let me look into that for you May I have your account number or the phone number associated with your service
t's 555-0199.
thank you. Your Number : It's 555-0199. ,I am running a remote diagnostic on your line now...
I've detected a signal fluctuation in your area that requires a technician's review. I have logged a formal service ticket (Ticket #AX-8821) for you.
he solution Message
Our issue has been scheduled for resolution and should be solved within 3 working days. Our system monitors the line status hourly.
f our automated repairs or network updates fix the signal stability before then, the ticket will be automatically solved and closed.
ou will receive a text notification if this happens, Do you need help with anything else today?
o, that's all for now.
nderstood,If you need more information or wish to speak with a representative,please contact us at 6302328008 Thank you for reaching out,& have a great day!
ec2-user@ip-172-31-26-248 ~]$
```

At the bottom of the terminal window, there is a footer with the text "i-000919c171ff38346 (carrot)" and "PublicIPs: 51.21.253.62 PrivateIPs: 172.31.26.248".



By shyam

THANK YOU



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