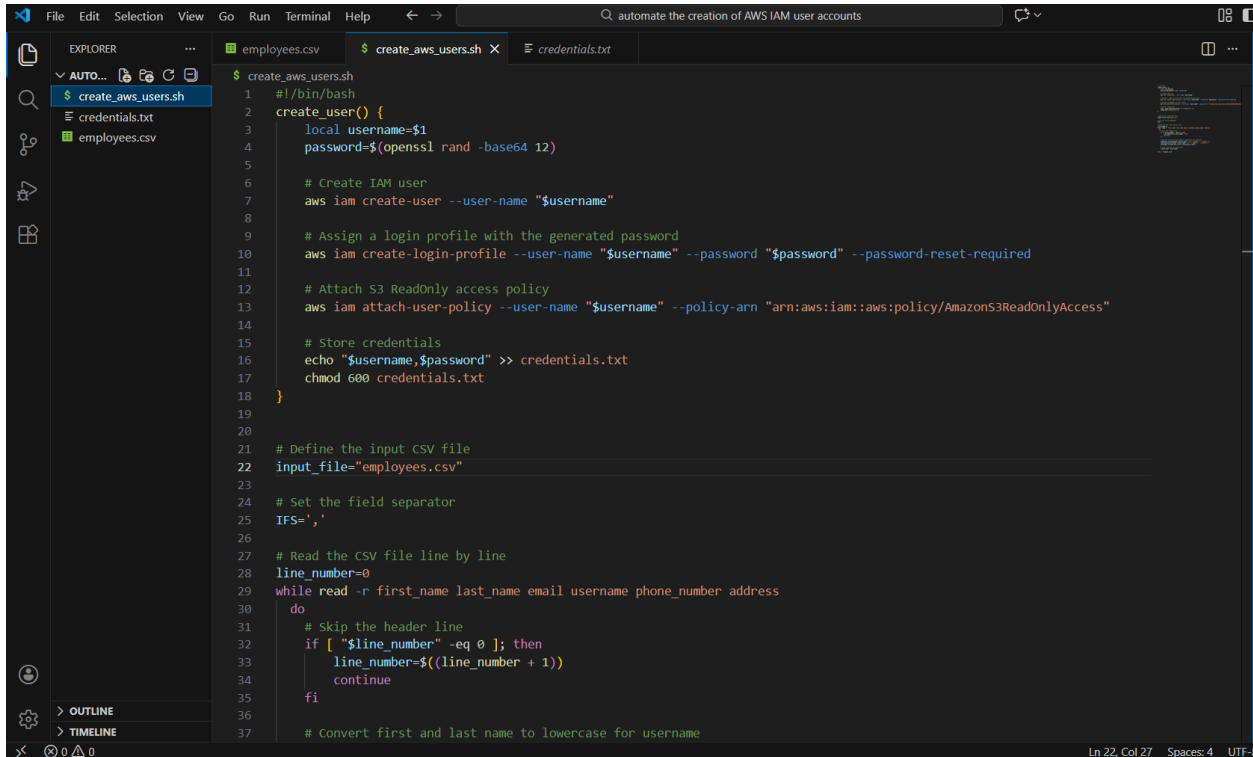
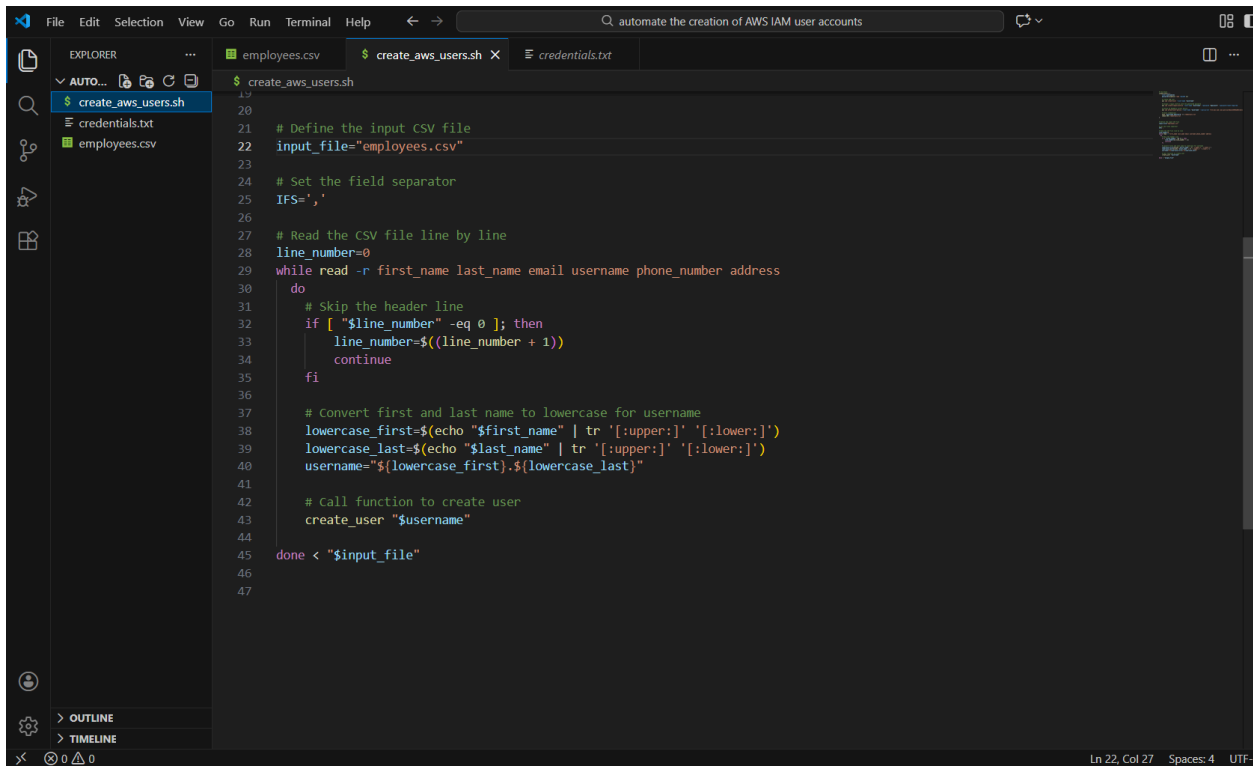


LAB - Automating AWS IAM User Creation.

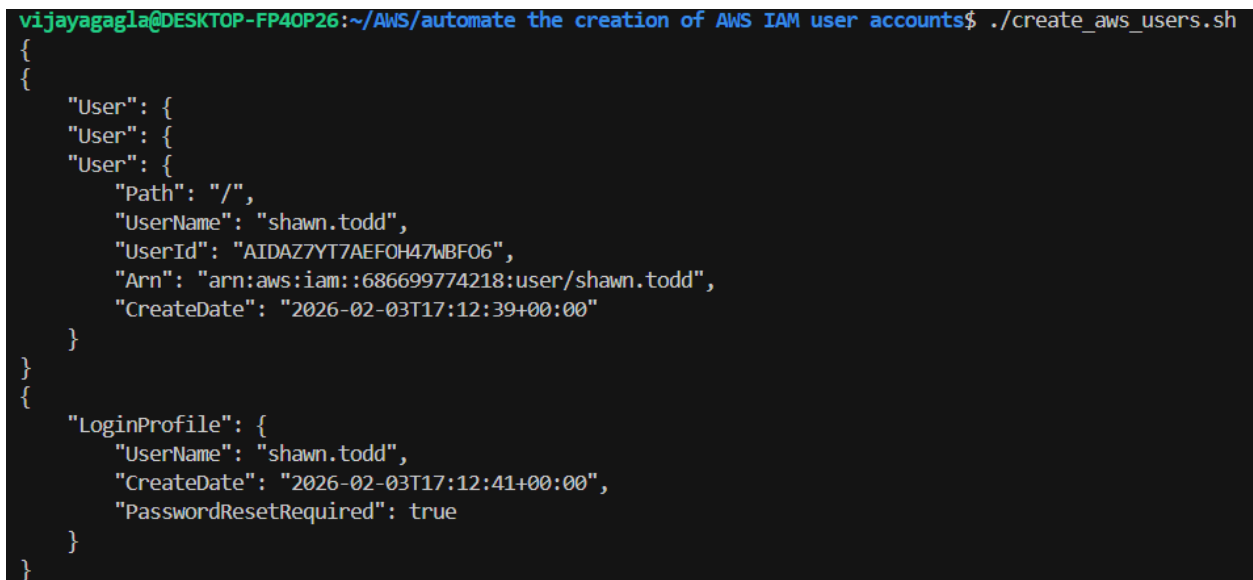


The screenshot shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a file named `employees.csv`. The main editor area displays a shell script named `create_aws_users.sh`. The script is a bash script that automates the creation of AWS IAM users from a CSV file. It includes comments for each step: creating a user, assigning a login profile, attaching a policy, and storing credentials. The script uses `openssl` for password generation and `aws` CLI for IAM operations. It also includes a loop to read the CSV file and process each line, skipping the header. The status bar at the bottom indicates the current line and column: `Ln 22, Col 27`.

```
1 #!/bin/bash
2 create_user() {
3     local username=$1
4     password=$(openssl rand -base64 12)
5
6     # Create IAM user
7     aws iam create-user --user-name "$username"
8
9     # Assign a login profile with the generated password
10    aws iam create-login-profile --user-name "$username" --password "$password" --password-reset-required
11
12    # Attach S3 ReadOnly access policy
13    aws iam attach-user-policy --user-name "$username" --policy-arn "arn:aws:iam::aws:policy/AmazonS3ReadOnlyAccess"
14
15    # Store credentials
16    echo "$username,$password" >> credentials.txt
17    chmod 600 credentials.txt
18 }
19
20
21 # Define the input CSV file
22 input_file="employees.csv"
23
24 # Set the field separator
25 IFS=','
26
27 # Read the CSV file line by line
28 line_number=0
29 while read -r first_name last_name email username phone_number address
30 do
31     # Skip the header line
32     if [ "$line_number" -eq 0 ]; then
33         line_number=$((line_number + 1))
34         continue
35     fi
36
37     # Convert first and last name to lowercase for username
```

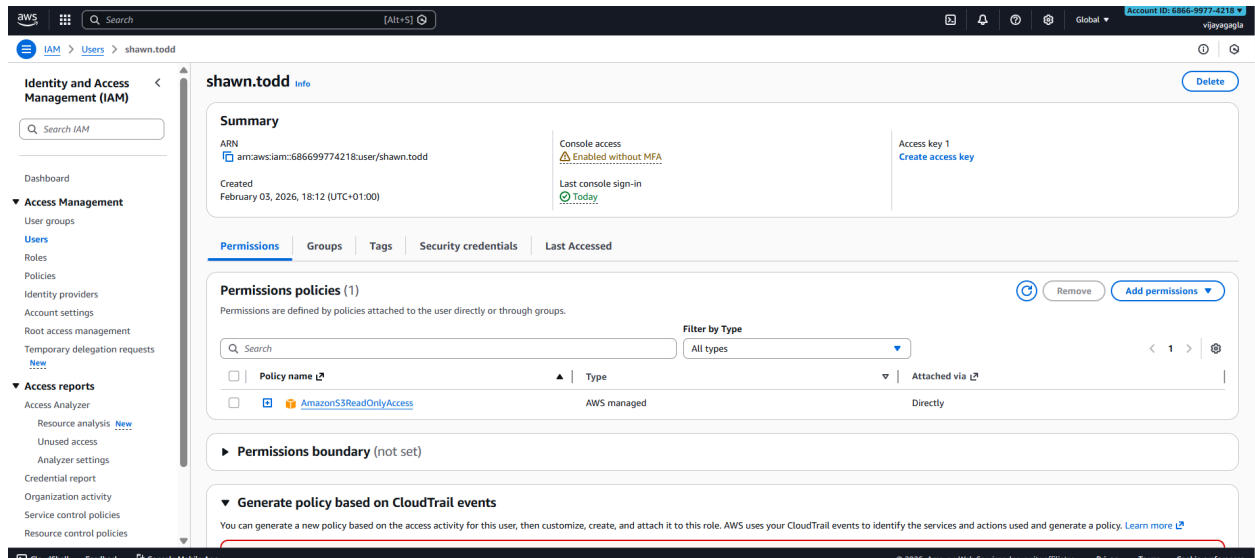


```
19 create_aws_users.sh
20
21 # Define the input CSV file
22 input_file="employees.csv"
23
24 # Set the field separator
25 IFS=','
26
27 # Read the CSV file line by line
28 line_number=0
29 while read -r first_name last_name email username phone_number address
30 do
31     # Skip the header line
32     if [ "$line_number" -eq 0 ]; then
33         line_number=$((line_number + 1))
34         continue
35     fi
36
37     # Convert first and last name to lowercase for username
38     lowercase_first=$(echo "$first_name" | tr '[:upper:]' '[:lower:]')
39     lowercase_last=$(echo "$last_name" | tr '[:upper:]' '[:lower:]')
40     username="${lowercase_first}.${lowercase_last}"
41
42     # Call function to create user
43     create_user "$username"
44
45 done < "$input_file"
46
47
```



```
vijayagaglia@DESKTOP-FP40P26:~/AWS/automate the creation of AWS IAM user accounts$ ./create_aws_users.sh
{
  "User": {
    "Path": "/",
    "UserName": "shawn.todd",
    "UserId": "AIDAZ7YT7AEFOH47WBF06",
    "Arn": "arn:aws:iam::686699774218:user/shawn.todd",
    "CreateDate": "2026-02-03T17:12:39+00:00"
  },
  "LoginProfile": {
    "UserName": "shawn.todd",
    "CreateDate": "2026-02-03T17:12:41+00:00",
    "PasswordResetRequired": true
  }
}
```

User created.



Note : In the user creation script, function `create_user` is placed in the beginning of the script and it worked without problems. But I couldn't login successfully with the created user and though the user shown up in the console, `aws iam list-users` didn't return the user created.

