Assignment 11 [string equality]

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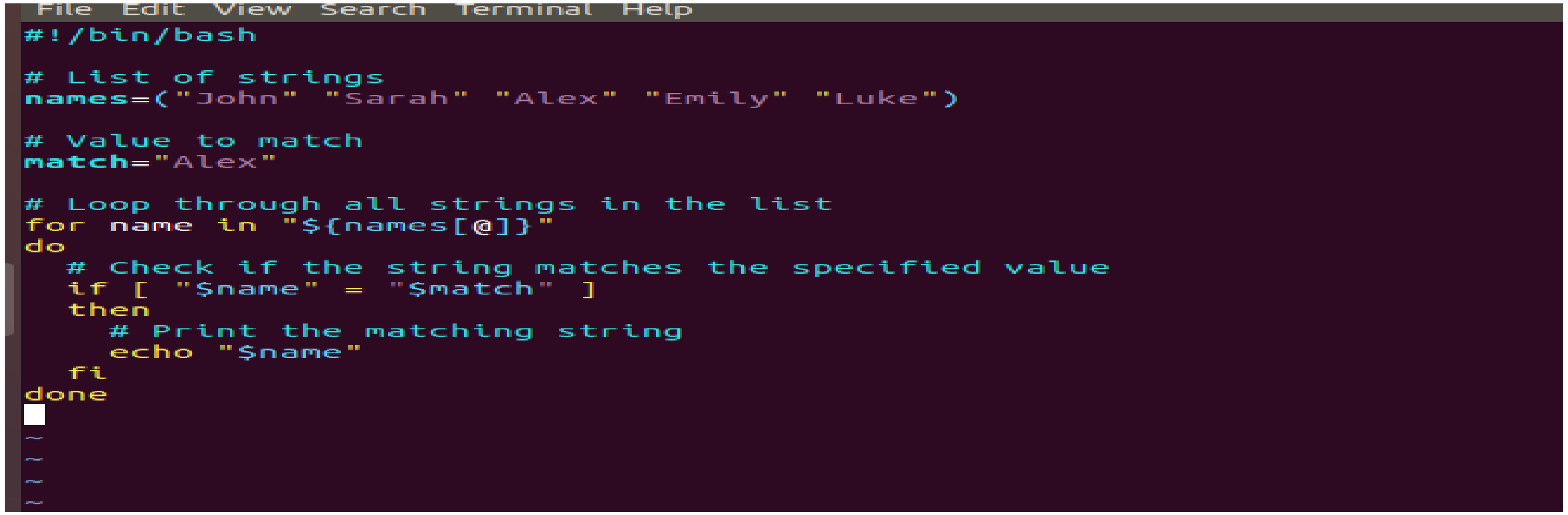
Create a user case for string equality :-

Suppose you have a list of strings, and you want to print only the strings that match a specific value. You can use a loop in Bash scripting to do this, and string equality will be helpful in checking the values.



```
#!/bin/bash

# List of strings
names=("John" "Sarah" "Alex" "Emily" "Luke")

# Value to match
match="Alex"

# Loop through all strings in the list
for name in "${names[@]}"
do
  # Check if the string matches the specified value
  if [ "$name" = "$match" ]
  then
    # Print the matching string
    echo "$name"
  fi
done

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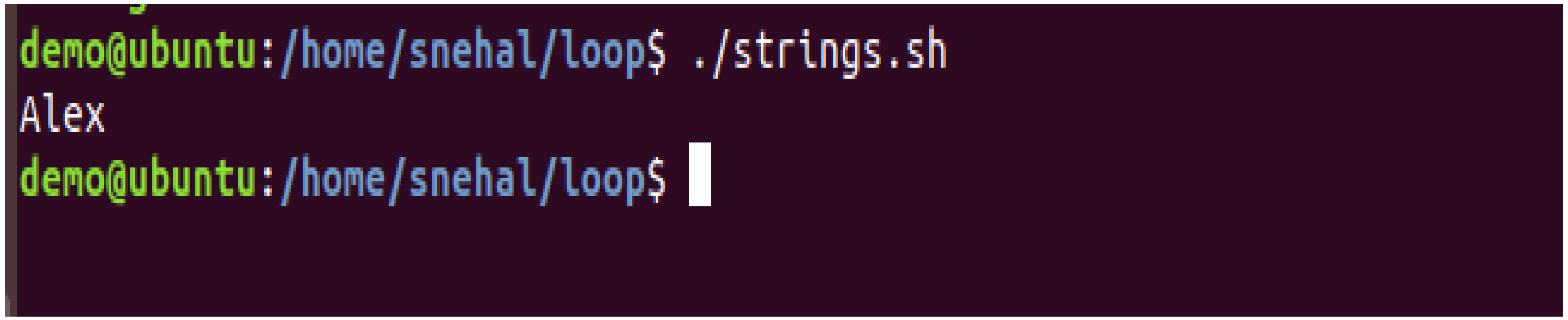
```

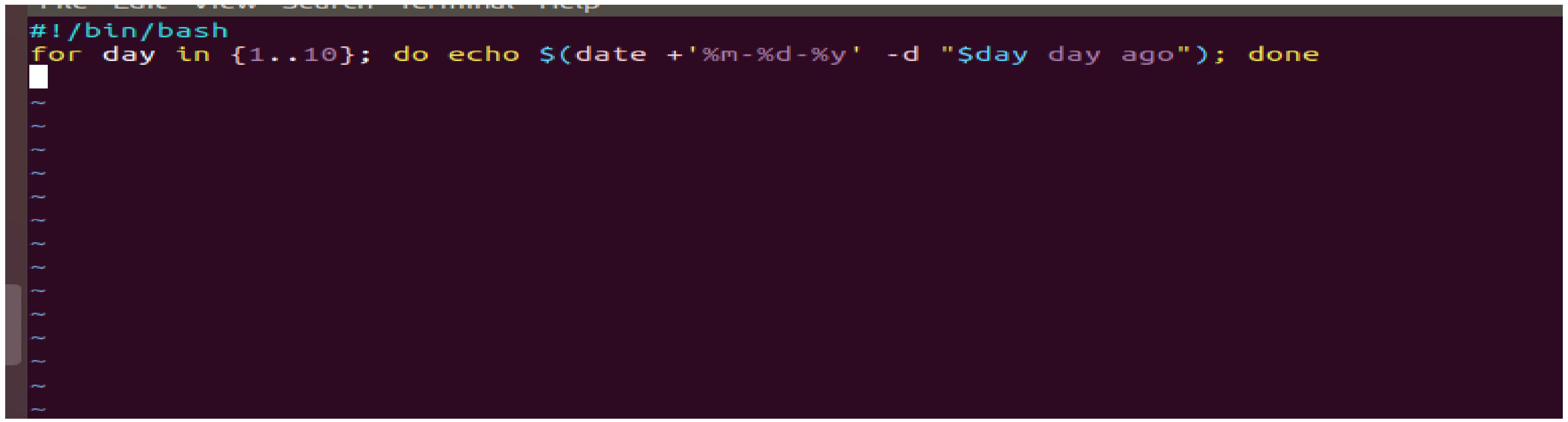
Names is an array containing the list of strings, and match is the value you want to match.
The for loop iterates over all strings in the list using the **"${names[@]}" syntax**.
The [ ] test checks if the string $name is equal to the specified value $match using the = operator.
If the string matches the specified value, the echo command prints the matching string.



```
demo@ubuntu:/home/snehal/loop$ ./strings.sh
Alex
demo@ubuntu:/home/snehal/loop$
```

Overall, this use case demonstrates how string equality can be used in loops in Bash scripting to filter and process data based on specific values.

Create a use case for printing date 'mm-dd-yy' for 10 days in a month.



```
#!/bin/bash
for day in {1..10}; do echo $(date +'%m-%d-%y' -d "$day day ago"); done

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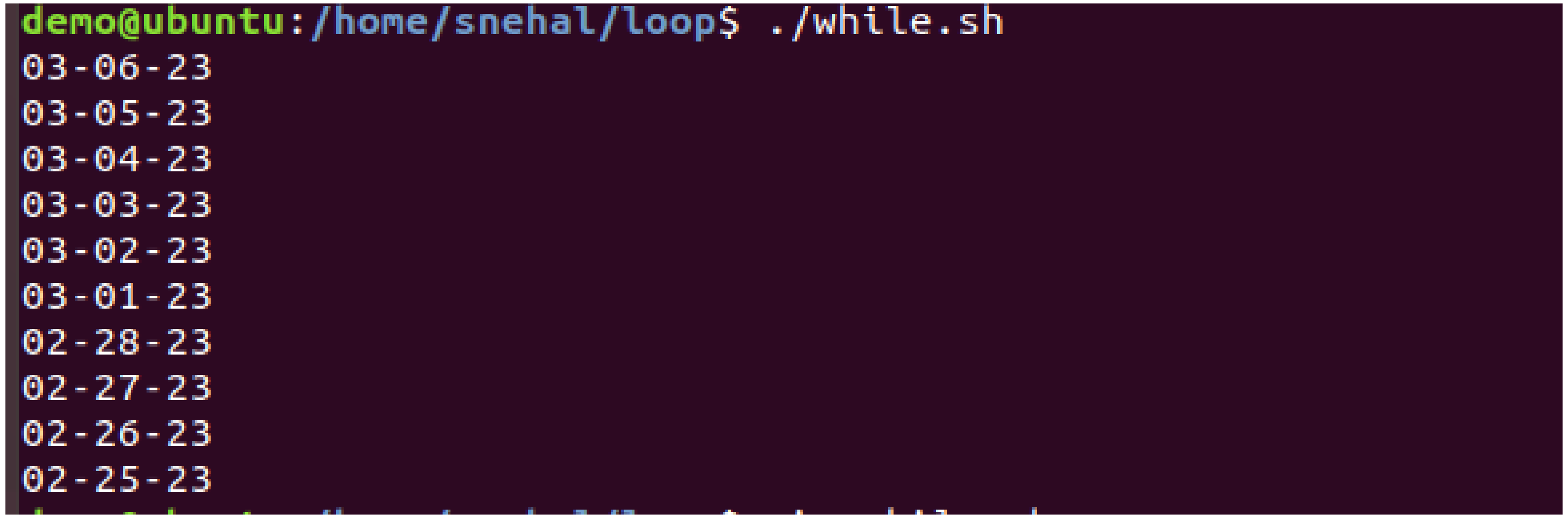
In this command, we're using a for loop to iterate through the numbers 1 to 10. For each iteration, we're using the date command to format the date for that day of the month, relative to the current date. Specifically, we're using the -d flag to specify that we want to calculate the date a certain number of days from now (in this case, 1 to 10 days from now), and the + symbol followed by the desired format string to specify the desired date format.

The resulting formatted dates are then printed to the console using the echo command, with each date printed on a new line.



```
demo@ubuntu:/home/snehal/loop$ ./while.sh
03-06-23
03-05-23
03-04-23
03-03-23
03-02-23
03-01-23
02-28-23
02-27-23
02-26-23
02-25-23
```