Account expiration check

```
[root@dev /]# sudo useradd temp-user
[root@dev /]# sudo chage -E $(date -d '+5 days' +"%Y-%m-%d") temp-user
[root@dev /]#
```

```
adham:x:1000:1000:adham:/home/adham:/bin/bash
abdein:x:1001:1001::/home/abdein:/bin/bash
mysql:x:27:27:MySQL Server:/var/lib/mysql:/sbin/nologin
apache:x:48:48:Apache:/usr/share/httpd:/sbin/nologin
user4:x:1002:1002::/home/user4:/bin/bash
user5:x:1003:1003::/home/user5:/bin/bash
$0  er1:x:1 $3  1004::/home/newuser1:/bin/bash
temp-user:x:1005:1005::/home/temp-user:/bin/bash
```

```
[root@dev /]# chage -l temp-user
Last password change                                    : Dec 06, 2024
Password expires                                        : never
Password inactive                                       : $4  $5  $6
Account expires                                         : Dec 11, 2024
Minimum number of days between password change          : 0
Maximum number of days between password change          : 99999
Number of days of warning before password expires       : 7
[root@dev /]#
```

```
[root@dev /]# chage -l adham
Last password change                                    : never
Password expires                                        : never
Password inactive                                       : never
Account expires                                         : never
Minimum number of days between password change          : 0
Maximum number of days between password change          : 99999
Number of days of warning before password expires       : 7
[root@dev /]#
```

```bash
#!/bin/bash

threshold=7

for i in $(awk 'BEGIN{ FS= ":"}{ if ($3 >= 1000 && $3 != 65534) {print $1}}' /etc/passwd)
do
    exp=$(chage -l "$i" | grep "Account expires" | awk '{print $4, $5, $6}' | xargs)

    if [[ "$exp" != "never" ]] || [[ -z "$exp" ]]
    then

        exp_sec=$(date -d "$exp" +%s)
        current_date_sec=$(date +%s)
        x=$(( (exp_sec - current_date_sec) / 86400 ))

        if [[ "$x" -le "$threshold" ]]
        then
            echo "User $i's account will expire in $exp"
        fi

    else
        echo "User $i's account has no expiration or never expires."
    fi

done


#xargs to  ensures that any extra spaces in the expiration date string are removed before processing.
# -z to check (is empty string)
```

```
[root@dev adhamscripts]# vim account-expire-chk.sh
[root@dev adhamscripts]# chmod +x account-expire-chk.sh
[root@dev adhamscripts]# ./account-expire-chk.sh
User adham's account has no expiration or never expires.
User user4's account has no expiration or never expires.
User user5's account has no expiration or never expires.
User newuser1's account has no expiration or never expires.
User temp-user's account will expire in Dec 11, 2024
[root@dev adhamscripts]#
```