

## Linux Meanu Driven -----

```
Activities  Terminal  Jan 9 14:13
dac@dac: ~/ExamOS

./PushkarDixitMD.sh: line 5: [: -ne: unary operator expected
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
^[[A^[[A^[[B^Z
<[1]+  Stopped                  ./PushkarDixitMD.sh
dac@dac:~/ExamOS$ nano PushkarDixitMD.sh
dac@dac:~/ExamOS$ ./PushkarDixitMD.sh
./PushkarDixitMD.sh: line 3: int: command not found
./PushkarDixitMD.sh: line 5: [: -eq: unary operator expected
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
^[[A^[[A^Z
[2]+  Stopped                  ./PushkarDixitMD.sh
dac@dac:~/ExamOS$ nano PushkarDixitMD.sh
dac@dac:~/ExamOS$ ./PushkarDixitMD.sh
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
1
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
2
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
3
38
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
4
Hello Friend my name is Pushkar
total 12
-rw-rw-r-- 1 dac dac 35 Jan 9 14:13 backup_PushkarDixit_248066
-rw-rw-r-- 1 dac dac 35 Jan 9 14:13 PushkarDixit_248066
-rwxrwxr-x 1 dac dac 448 Jan 9 14:12 PushkarDixitMD.sh
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
5
dac
real    0m0.000s
user    0m0.000s
sys     0m0.000s
1:create file 2:copy into backup 3:count 4:display content  5:display current user 0:Exit
```

```
Activities  Terminal  Jan 9 15:22
dac@dac: ~/ExamDocker

GNU nano 6.2 Dockerfile
FROM ubuntu/apache2

WORKDIR /java/bin

RUN apt install openjdk-11-jdk-headless

RUN javac First.java

CMD ["java","First"]

Read 10 lines |
~ Help  ~ Write Out  ~ Where Is  ~ Cut  ~ Execute  ~ Location  ~ Undo  ~ Set Mark  ~ To Bracket
~ Exit  ~ Read File  ~ Replace  ~ Paste  ~ Justify  ~ Go To Line  ~ Redo  ~ Copy  ~ Where Was
```

## //problem2-----

```

dac@dac:~/ExamOS$ nano Problem2
dac@dac:~/ExamOS$ ls
backup_PushkarDixit_248066 Problem2.sh PushkarDixit_248066 PushkarDixitMD.sh
dac@dac:~/ExamOS$ nano Problem2.sh
dac@dac:~/ExamOS$ chmod +x Problem2.sh
```

```
dac@dac:~/ExamOS$ ./Problem2.sh
```

```
Enter the No:- 5
```

```
0
```

```
1
```

```
2
```

```
3
```

```
5
```

```
dac@dac:~/ExamOS$ chmod +x Problem2.sh
```

```
dac@dac:~/ExamOS$ ./Problem2.sh
```

```
Enter the No:- 10
```

```
0
```

```
1
```

```
2
```

```
3
```

```
5
```

```
7
```

```
dac@dac:~/ExamOS$ ./Problem2.sh
```

```
Enter the No:- 100
```

```
0
```

```
1
```

```
2
```

```
3
```

```
5
```

```
7
```

```
11
```

```
13
```

```
17
```

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19
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23
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29
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31
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37
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41
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59
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61
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67
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71
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73
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```
79
```

```
83
```

```
89
```

```
97
```

```
dac@dac:~/ExamOS$
```

## Problem2.sh

```
#!/bin/bash
pr=0
read -p "Enter the No:- " n

for((i=0;i<=n;i++))do

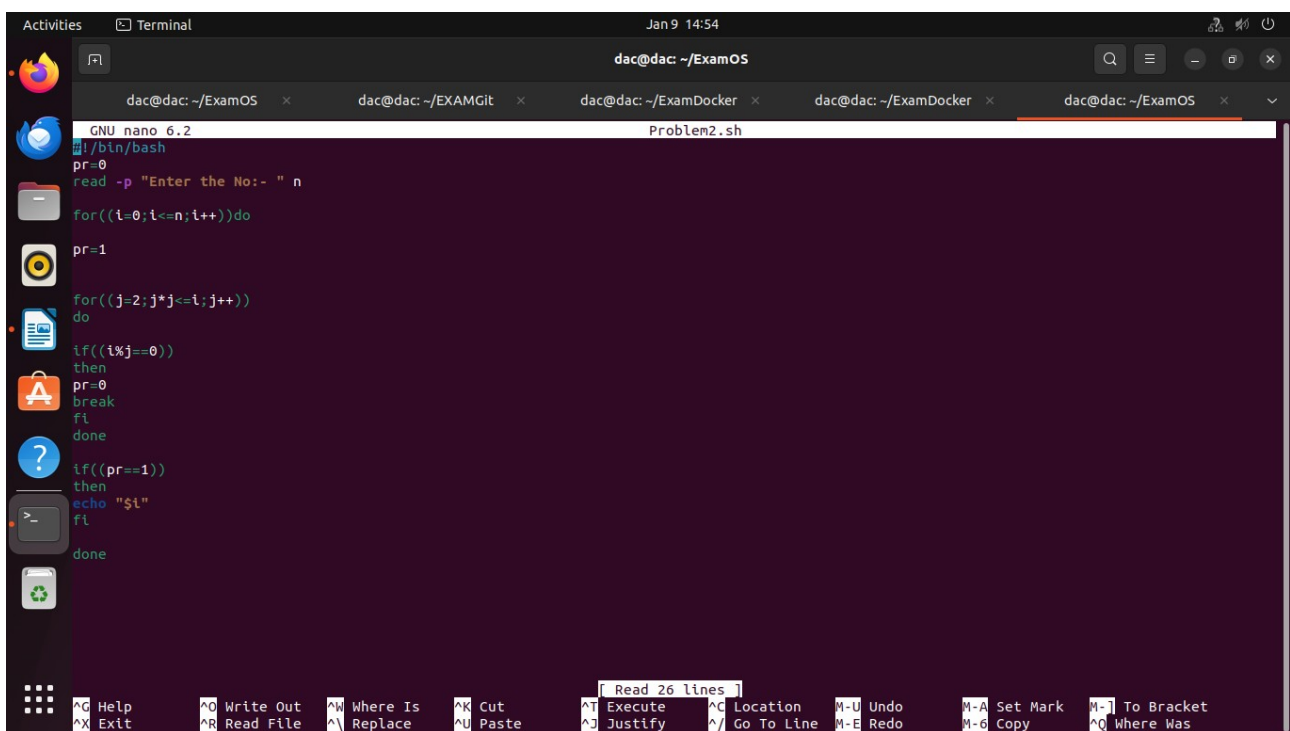
pr=1

for((j=2;j*j<=i;j++))
do

if((i%j==0))
then
pr=0
break
fi
done

if((pr==1))
then
echo "$i"
fi

done
```

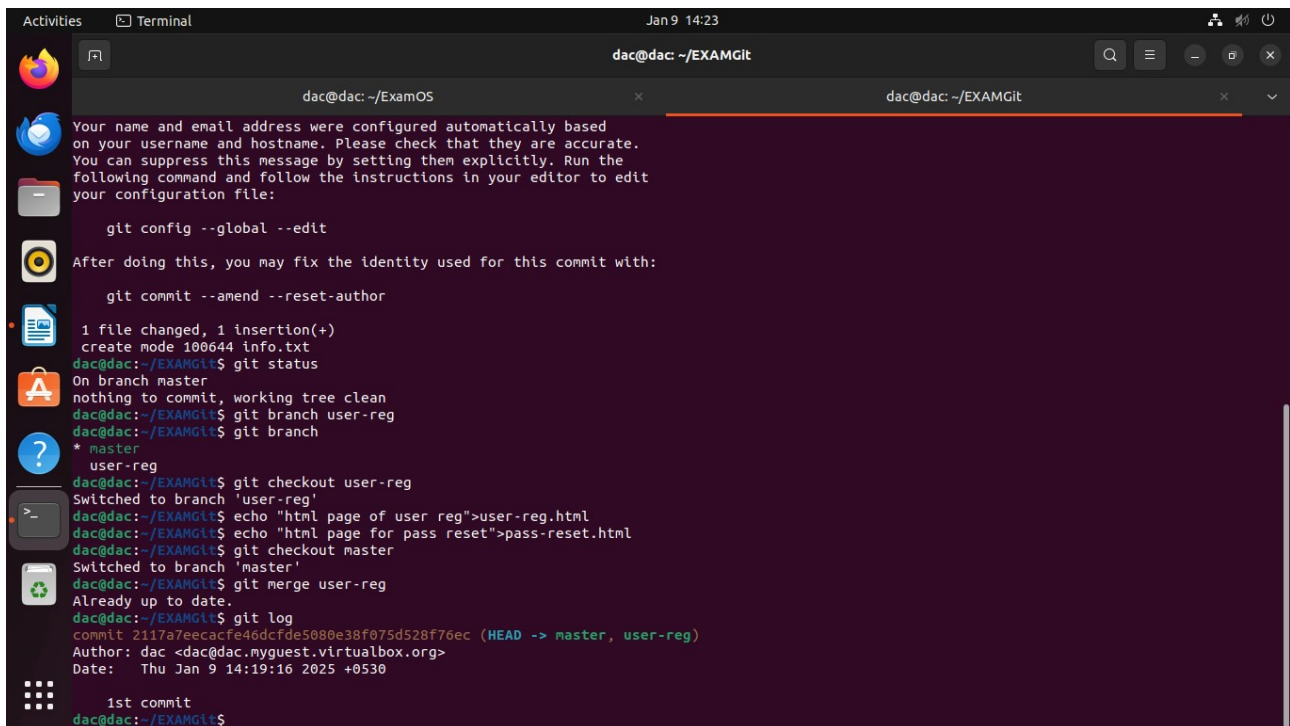


The screenshot shows a terminal window titled "Terminal" with a date and time of "Jan 9 14:54". The window contains a nano editor editing a file named "Problem2.sh". The code in the editor is identical to the one shown in the previous block. The terminal window has a dark background with a light-colored text. The nano editor's status bar at the bottom shows "GNU nano 6.2" and "Read 26 lines". The terminal window also has a sidebar on the left with various icons and a bottom status bar with keyboard shortcuts.

## Git-----

```
Activities  Terminal  Jan 9 14:22
dac@dac: ~/EXAMGit

dac@dac:~/ExamOS$ cd ..
dac@dac:~$ mkdir EXAMGit
dac@dac:~$ cd EXAMGit
dac@dac:~/EXAMGit$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /home/dac/EXAMGit/.git/
dac@dac:~/EXAMGit$ echo "Hello master branch">info.txt
dac@dac:~/EXAMGit$ cat info.txt
Hello master branch
dac@dac:~/EXAMGit$ echo "Hello my name is Pushkar">info.txt
dac@dac:~/EXAMGit$ cat info.txt
Hello my name is Pushkar
dac@dac:~/EXAMGit$ echo "Hello my name is Pushkar2">info.txt
Hello my name is Pushkar2: command not found
dac@dac:~/EXAMGit$ cat info.txt
Hello my name is Pushkar
dac@dac:~/EXAMGit$ echo "Hello my name is Pushkar">info.txt
dac@dac:~/EXAMGit$ cat info.txt
Hello my name is Pushkar
dac@dac:~/EXAMGit$ git add .
dac@dac:~/EXAMGit$ git commit -m "1st commit"
[master (root-commit) 2117a7e] 1st commit
Committer: dac <dac@dac.myquest.virtualbox.org>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

A screenshot of a terminal window titled 'Terminal' with a date and time of 'Jan 9 14:23'. The terminal shows a series of commands and their outputs for setting up a Git repository. The user 'dac' is in the directory '~/EXAMGit'. The commands include 'git config --global --edit', 'git commit --amend --reset-author', 'git status', 'git branch user-reg', 'git checkout user-reg', 'git checkout master', and 'git merge user-reg'. The output shows the creation of a new branch, switching between branches, and the creation of two files: 'user-reg.html' and 'pass-reset.html'. The terminal also shows the output of 'git log' and 'git commit', indicating the first commit has been made.

```

dac@dac: ~/ExamOS
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:

    git config --global --edit

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 1 insertion(+)
create mode 100644 info.txt
dac@dac:~/EXAMGit$ git status
On branch master
nothing to commit, working tree clean
dac@dac:~/EXAMGit$ git branch user-reg
dac@dac:~/EXAMGit$ git branch
* master
  user-reg
dac@dac:~/EXAMGit$ git checkout user-reg
Switched to branch 'user-reg'
dac@dac:~/EXAMGit$ echo "html page of user reg">user-reg.html
dac@dac:~/EXAMGit$ echo "html page for pass reset">pass-reset.html
dac@dac:~/EXAMGit$ git checkout master
Switched to branch 'master'
dac@dac:~/EXAMGit$ git merge user-reg
Already up to date.
dac@dac:~/EXAMGit$ git log
commit 2117a7eeca46dcfde5080e38f075d528f76ec (HEAD -> master, user-reg)
Author: dac <dac@dac.myguest.virtualbox.org>
Date: Thu Jan 9 14:19:16 2025 +0530

    1st commit
dac@dac:~/EXAMGit$
```

```
ac@dac:~/ExamOS$ cd ..
dac@dac:~$ mkdir EXAMGit
dac@dac:~$ cd EXAMGit
dac@dac:~/EXAMGit$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint: git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint: git branch -m <name>
Initialized empty Git repository in /home/dac/EXAMGit/.git/
dac@dac:~/EXAMGit$ echo "Hello my name is Pushkar">info.txt
dac@dac:~/EXAMGit$ cat info.txt
Hello my name is Pushkar
dac@dac:~/EXAMGit$ git add .
```

```

dac@dac:~/EXAMGit$ git commit -m "1st commit"
[master (root-commit) 2117a7e] 1st commit
Committer: dac <dac@dac.myguest.virtualbox.org>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
1 file changed, 1 insertion(+)
create mode 100644 info.txt
dac@dac:~/EXAMGit$ git status
On branch master
nothing to commit, working tree clean
dac@dac:~/EXAMGit$ git branch user-reg
dac@dac:~/EXAMGit$ git branch
* master
  user-reg
dac@dac:~/EXAMGit$ git checkout user-reg
Switched to branch 'user-reg'
dac@dac:~/EXAMGit$ echo "html page of user reg">user-reg.html
dac@dac:~/EXAMGit$ echo "html page for pass reset">pass-reset.html
dac@dac:~/EXAMGit$ git checkout master
Switched to branch 'master'
dac@dac:~/EXAMGit$ git merge user-reg
Already up to date.
dac@dac:~/EXAMGit$ git log
commit 2117a7eecacfe46dcfde5080e38f075d528f76ec (HEAD -> master, user-reg)
Author: dac <dac@dac.myguest.virtualbox.org>
Date: Thu Jan 9 14:19:16 2025 +0530
```

1st commit

```
dac@dac:~/EXAMGit$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    pass-reset.html
    user-reg.html
```

nothing added to commit but untracked files present (use "git add" to track)

```
dac@dac:~/EXAMGit$ git add .
dac@dac:~/EXAMGit$ git commit -m "2nd commit"
[master c275e0d] 2nd commit
```

```
Committer: dac <dac@dac.myguest.virtualbox.org>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly. Run the
following command and follow the instructions in your editor to edit
your configuration file:
```

```
git config --global --edit
```

After doing this, you may fix the identity used for this commit with:

```
git commit --amend --reset-author
```

```
2 files changed, 2 insertions(+)
```

```
create mode 100644 pass-reset.html
create mode 100644 user-reg.html
dac@dac:~/EXAMGit$ git log
commit c275e0dacc23bef31eb1deea7cce722e0938ab6f (HEAD -> master)
Author: dac <dac@dac.myguest.virtualbox.org>
Date: Thu Jan 9 14:26:04 2025 +0530
```

2nd commit

```
commit 2117a7eecacfe46dcfde5080e38f075d528f76ec (user-reg)
Author: dac <dac@dac.myguest.virtualbox.org>
Date: Thu Jan 9 14:19:16 2025 +0530
```

1st commit

```
dac@dac:~/EXAMGit$
```

Docker-----

```
dac@dac:~/EXAMGit$ cd ..
dac@dac:~$ mkdir ExamDocker
dac@dac:~$ cd ExamDocker
```

```
dac@dac:~/ExamDocker$ sudo docker images
```

```
dac@dac:~/ExamDocker$ nano Dockerfile
```

FROM ubuntu/apache2

WORKDIR /java/bin

RUN apt install openjdk-11-jdk-headless

RUN javac First.java

CMD ["java","First"]

Activities Terminal Jan 9 15:22

Terminal Window: dac@dac: ~/ExamDocker

Terminal Tabs: dac@dac: ~/ExamOS, dac@dac: ~/EXAMGit, dac@dac: ~/ExamDocker, dac@dac: ~/ExamDocker, dac@dac: ~/ExamOS

Terminal Content:

```
GNU nano 6.2 Dockerfile
FROM ubuntu/apache2

WORKDIR /java/bin

RUN apt install openjdk-11-jdk-headless

RUN javac First.java

CMD ["java","First"]
```

Terminal Menu:

- ^G Help
- ^X Exit
- ^O Write Out
- ^R Read File
- ^W Where Is
- ^L Replace
- ^K Cut
- ^U Paste
- ^T Execute
- ^J Justify
- ^C Location
- ^\_ Go To Line
- ^M-U Undo
- ^M-E Redo
- ^M-A Set Mark
- ^M-6 Copy
- ^M-] To Bracket
- ^M-^ Where Was