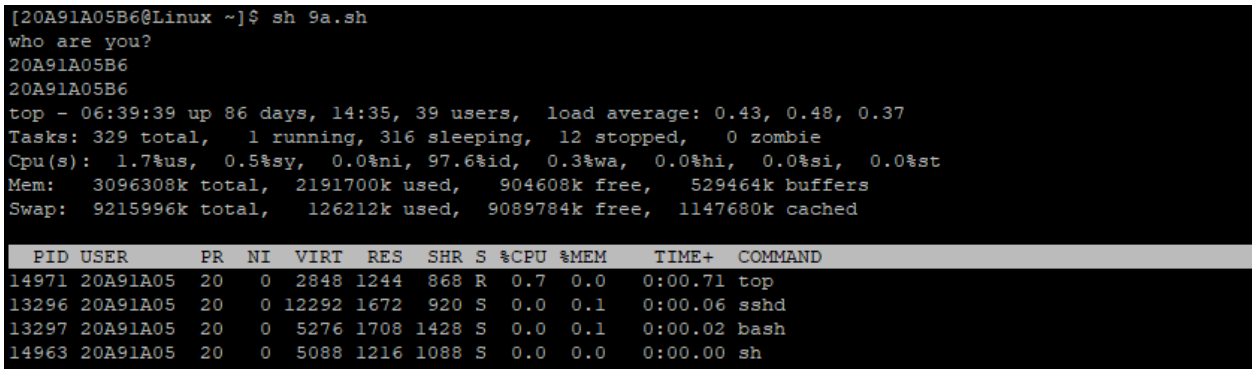
9a) AIM:Write shell script that takes a login name as command – line argument and reports when that person logs in.

PROGRAM:

```
echo "who are you?"

read user

echo $user

name=$(whoami)

if [ $user == $name ]

then

top -u $user

else

echo "not signed in"

fi
```

output:



9b)AIM: Write a shell script which receives two file names as arguments. It should check whether the two file contents are same or not. If they are same then second file should be deleted.

Program:

```
echo –n”enter file2”

read  file1

echo -n "enter file2"

read  file2

diff  $file1  $file2

r=`echo $?`

if [ $r != 0 ]

then

echo "different"

else

echo "same"

rm $file2

fi
```

output:

10)AIM:

Write a C program that takes one or more file or directory names as a command line input and reports the following information on the file: i) File type. ii) Number of links. iii) Read, write and execute permissions. iv) Time of last access (Note : Use stat/fstat system calls)

Program:

```
#include<stdio.h>

#include<unistd.h>

#include<sys/stat.h>

#include<fcntl.h>

void main()

{

int fd;

struct stat buf;

fd=open("newl.txt",O_RDONLY|O_CREAT,600);

if(fd!=-1)

{

if(fstat(fd,&buf)==0)

{

printf("mode of files %u",buf.st_mode);

printf("\n size of the file is %u ",buf.st_size);

printf("\n device name %u",buf.st_dev);

printf("\n inode of file is%u",buf.st_ino);

printf("\n no of links are %u ",buf.st_nlink);

printf("\n owner of a file %u",buf.st_uid);

printf("\n no of blocks is %u",buf.st_blocks);
```

```
printf("\n group owner is %u ",buf.st_gid);

printf("\n block size of the file is %u ",buf.st_blksize);

printf("\n tim of last modifields %u ",buf.st_ctime);

}

else

printf("error in fstat() syscall");

}

else

printf("error in open()syscall");

}
```

Output:

```
[20A91A05B6@Linux ~]$ vi filedetails.c
[20A91A05B6@Linux ~]$ cc filedetails.c
[20A91A05B6@Linux ~]$ ./a.out
mode of files 33368
 size of the file is 0
 device name 2054
 inode of file isl27100
 no of links are 1
 owner of a file 9372
 no of blocks is 0
 group owner is 9373
 block size of the file is 4096
 tim of last modifields 1639452681 [20A91A05B6@Linux ~]$
```