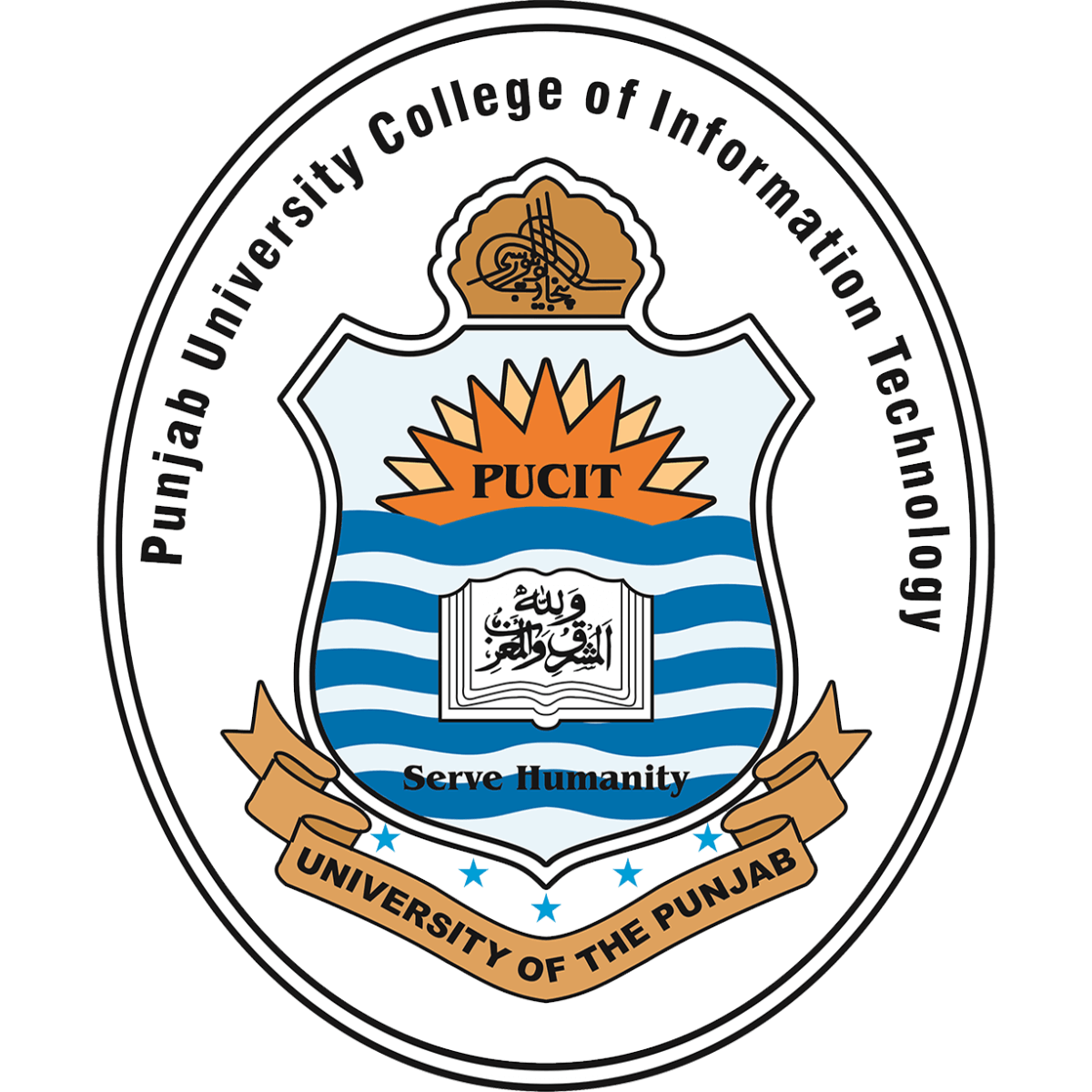
**PUNJAB UNIVERSITY COLLEGE OF INFORMATION & TECHNOLOGY**

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**OS LAB 02**

**Submitted By:**

M. Hamza Azeem

**Roll Number:**

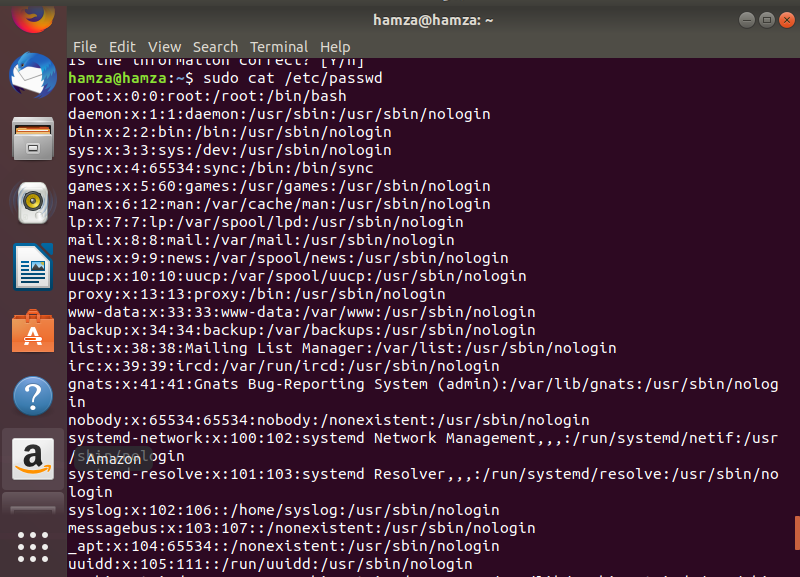
BSEF15M517

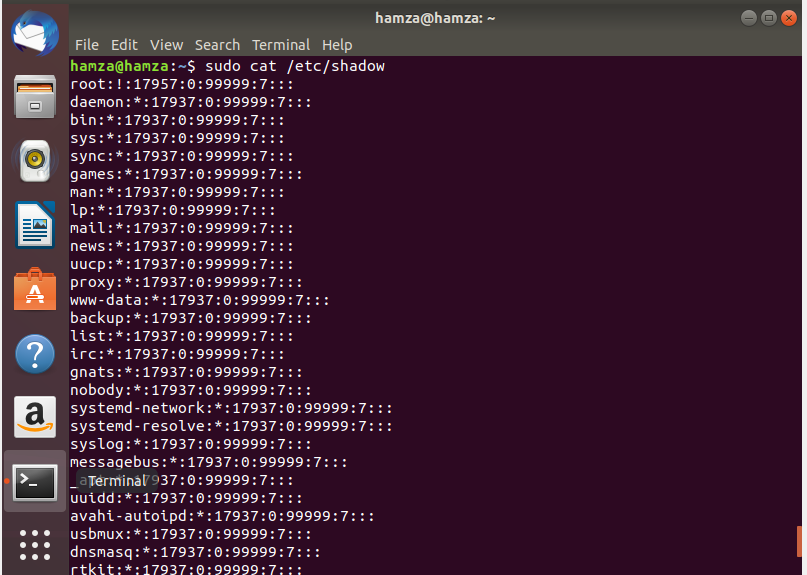
**TASK # 01**

**(a)**

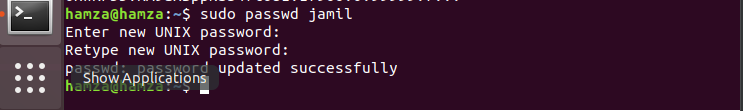
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**(b)**

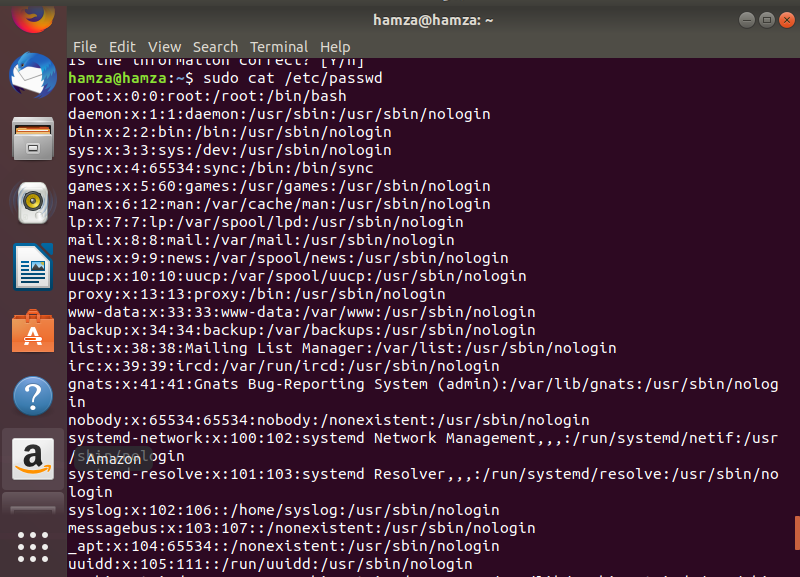
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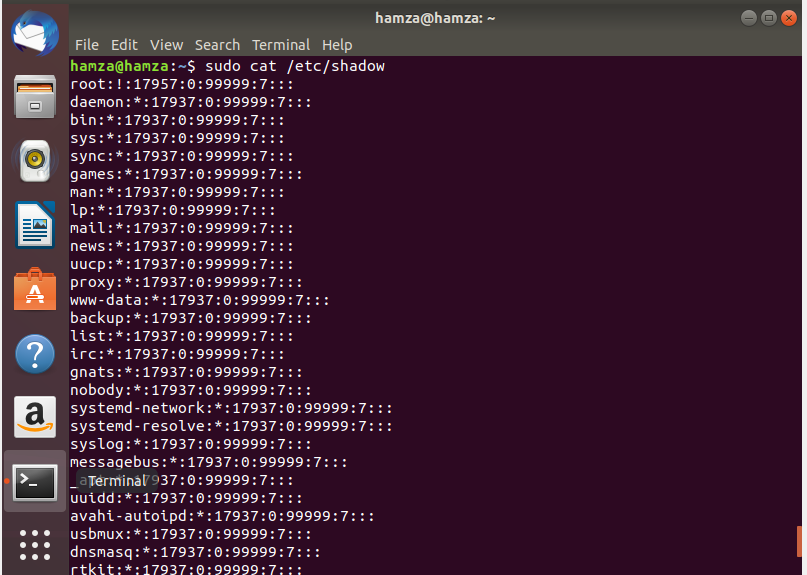
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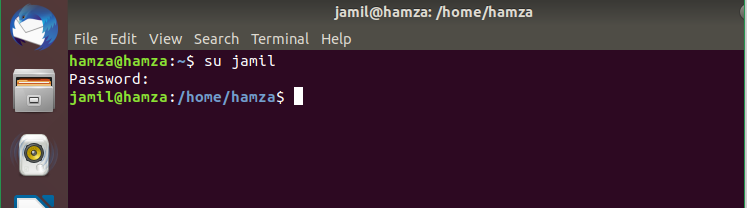
**(c)**

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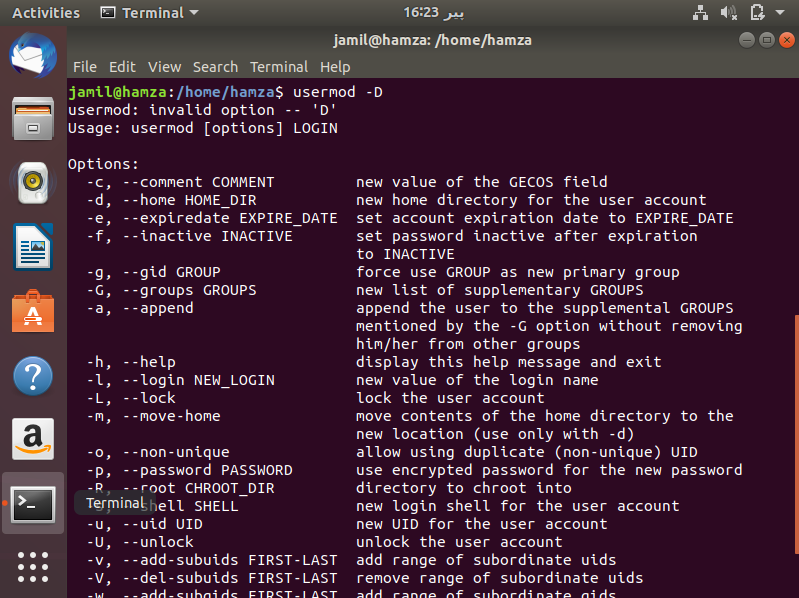
**(d)**

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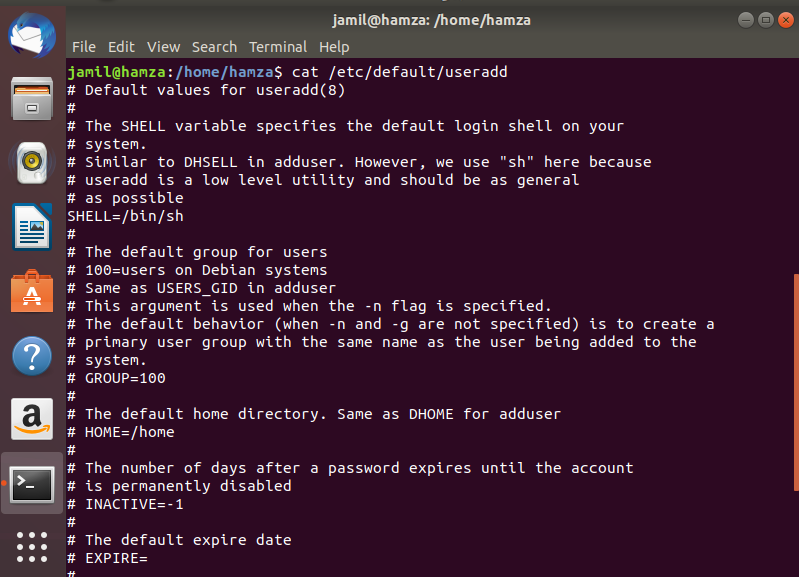
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**(e)**

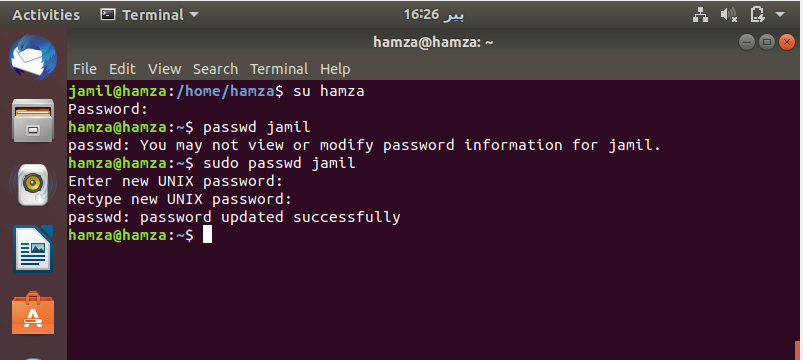
**(f)**

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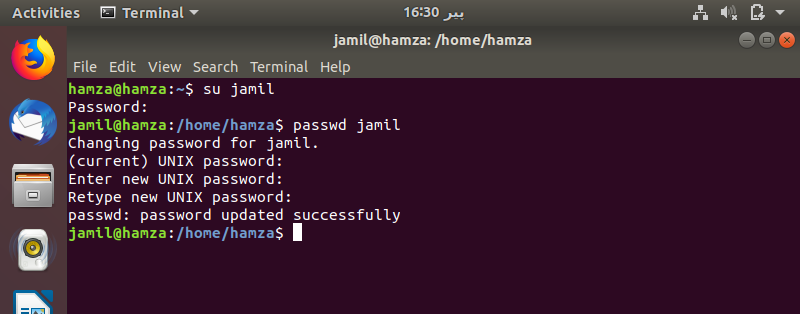
**(g)**

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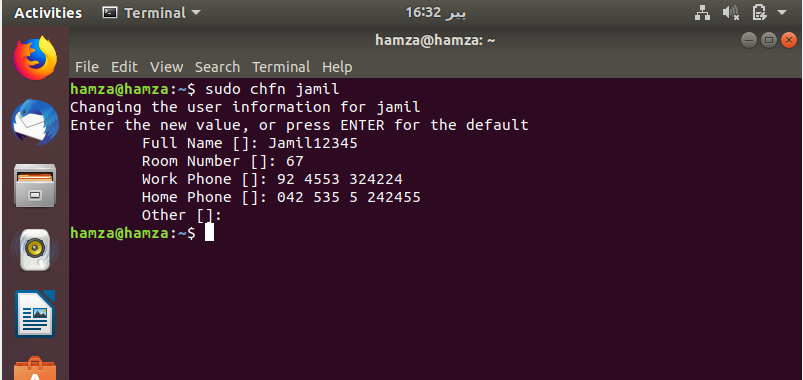
**(h)**

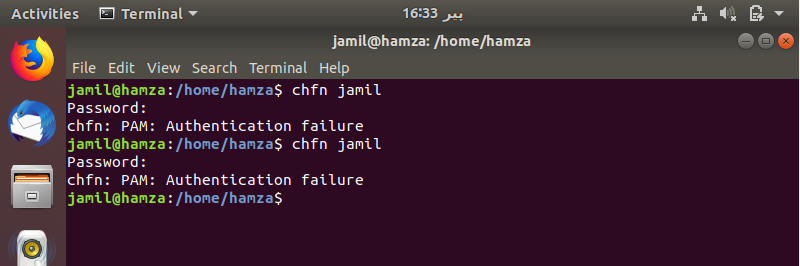
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**(i)**

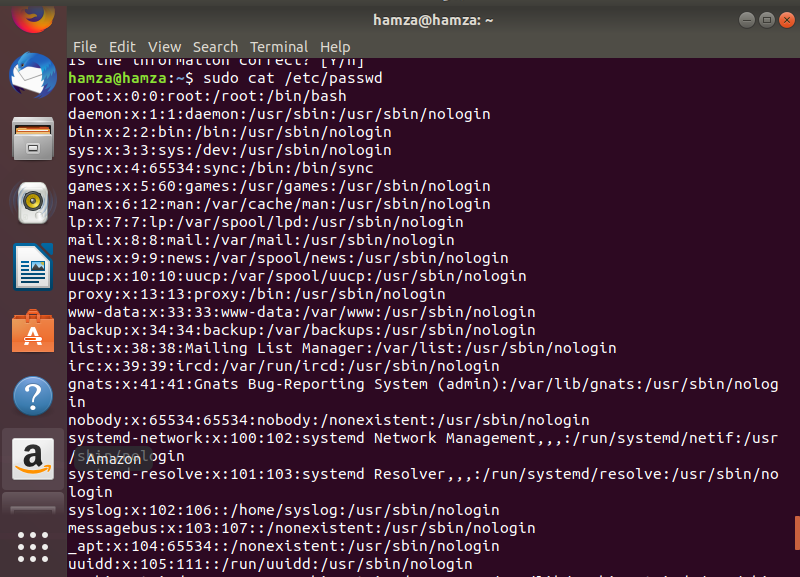
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**(j)**

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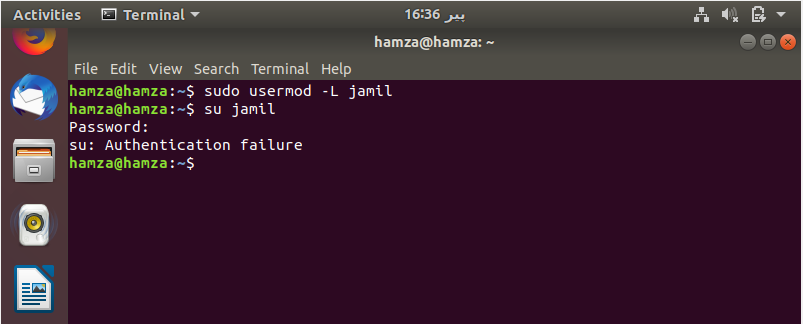
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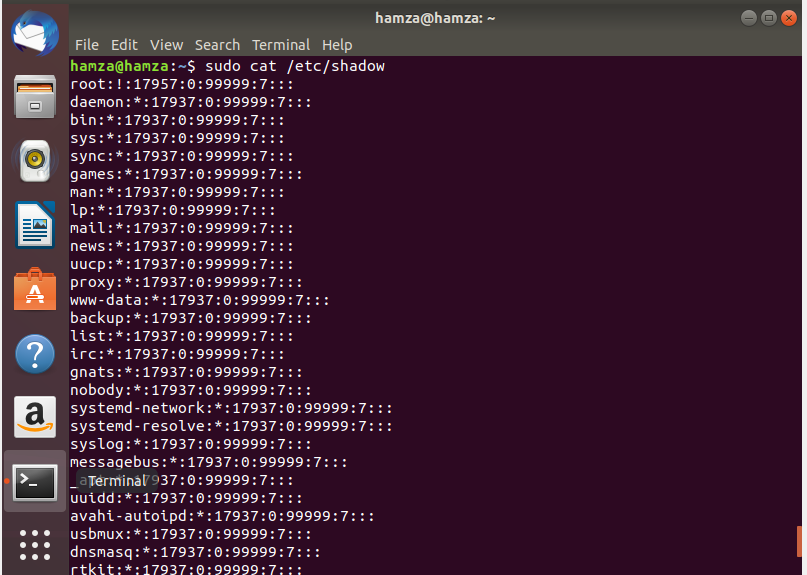
**(k)**

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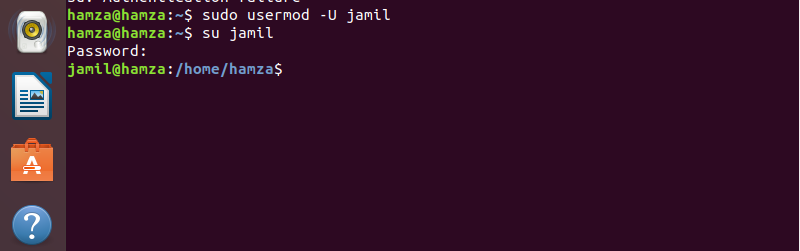
**TASK # 02**

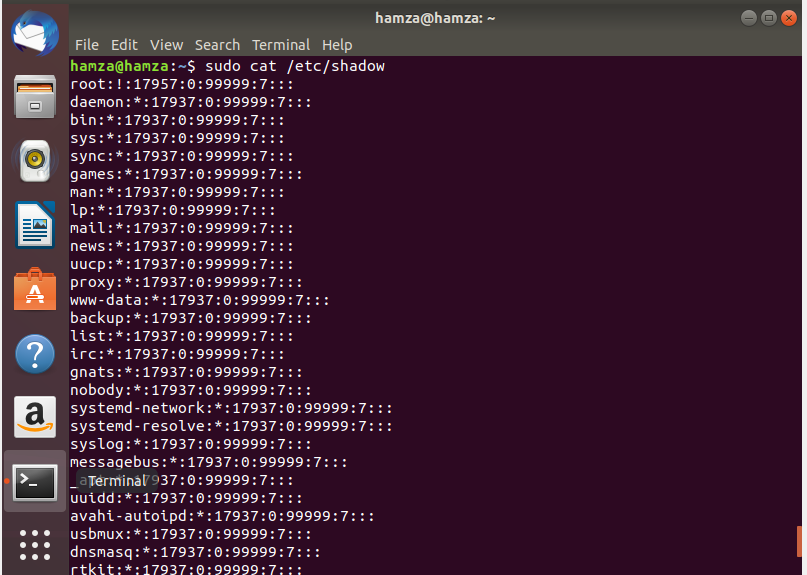
**(a)**

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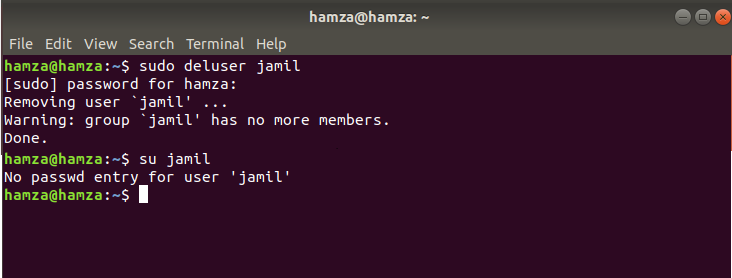
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**(b)**

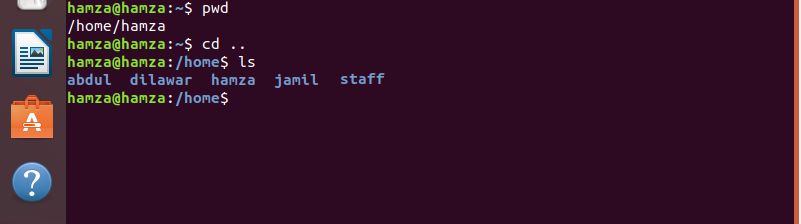
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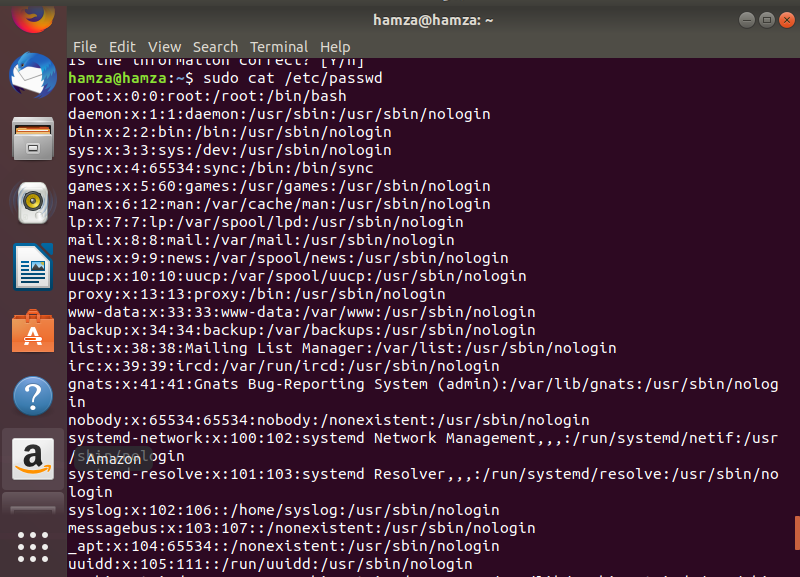
**(c)**

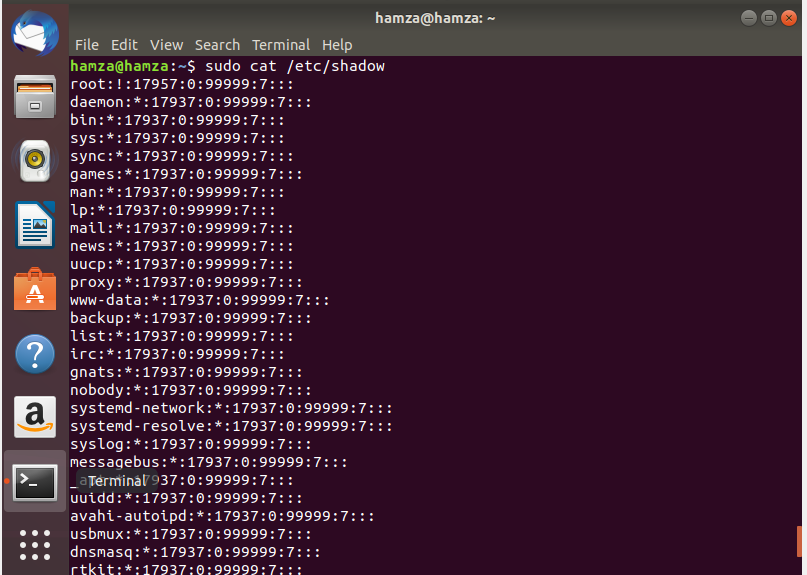
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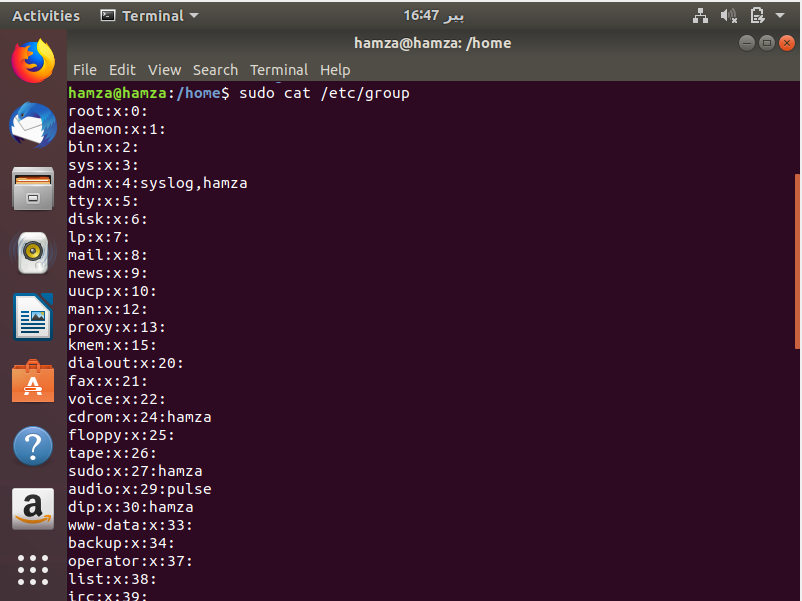
**(d)**

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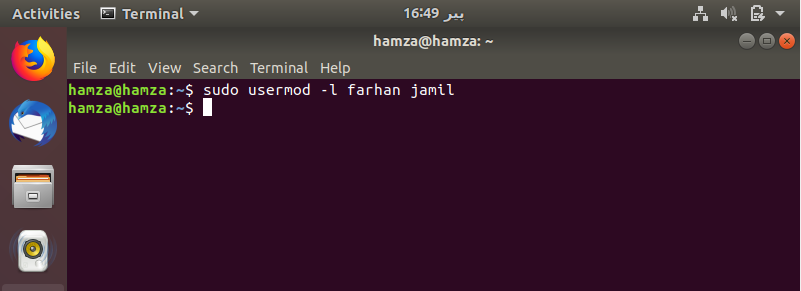
**(e)**

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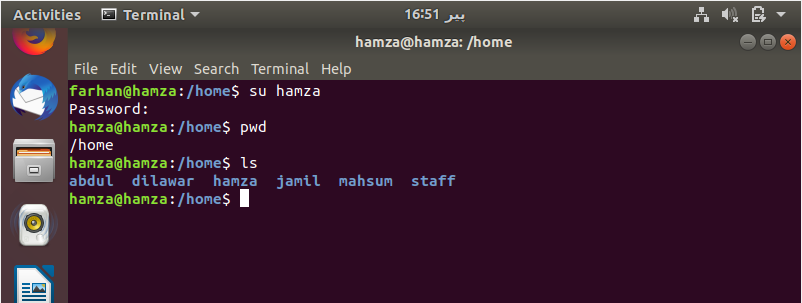
**(f)**

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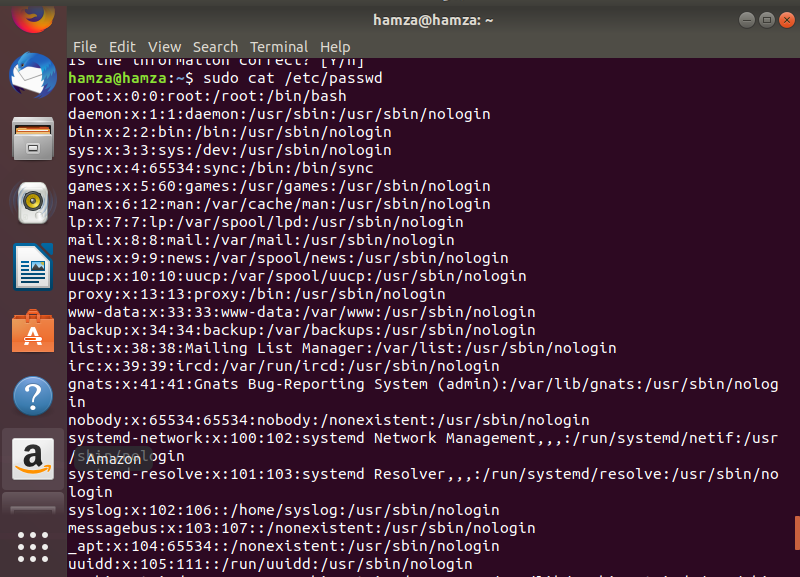
**(g)**

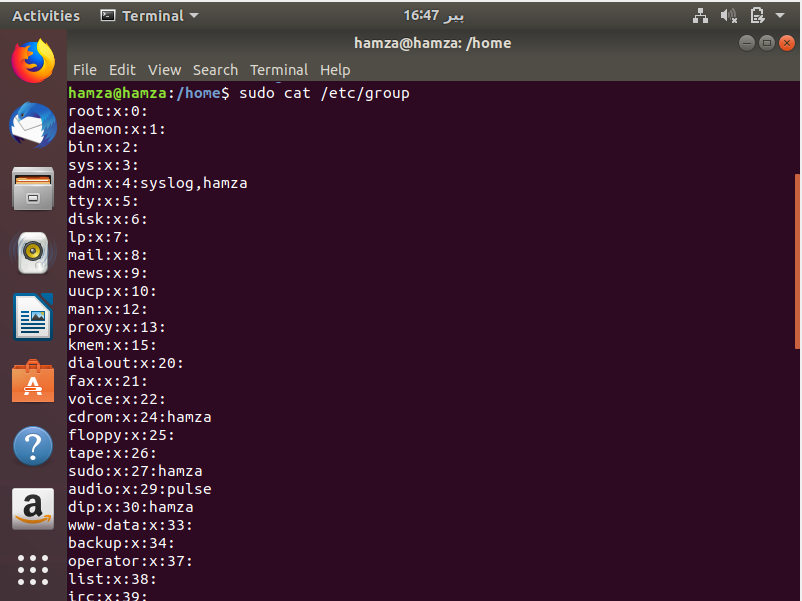
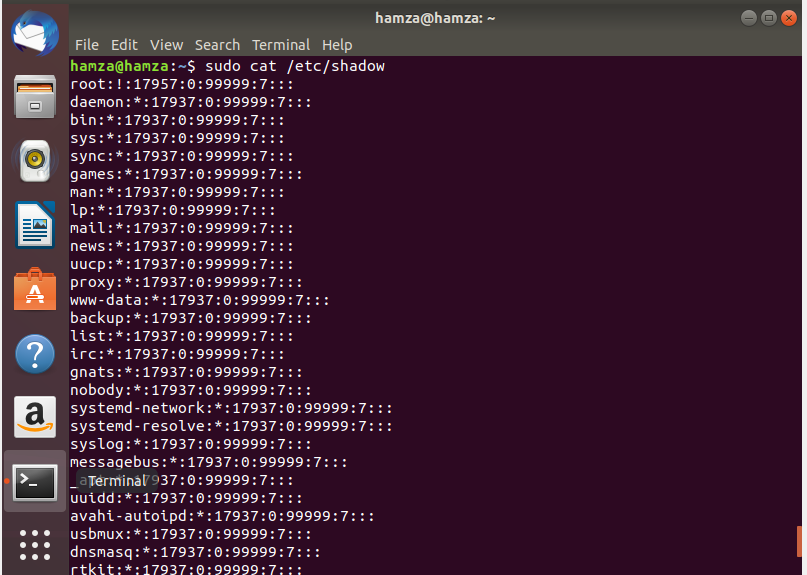
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**(h)**

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**(i)**

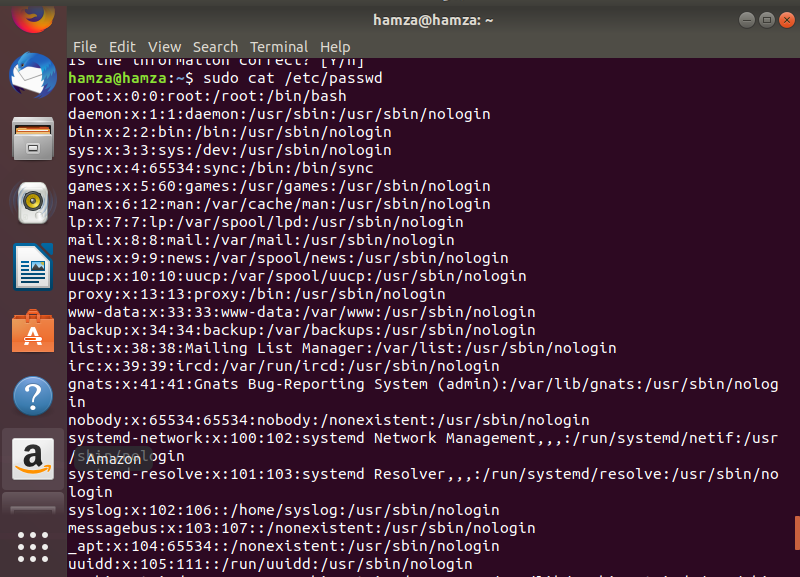
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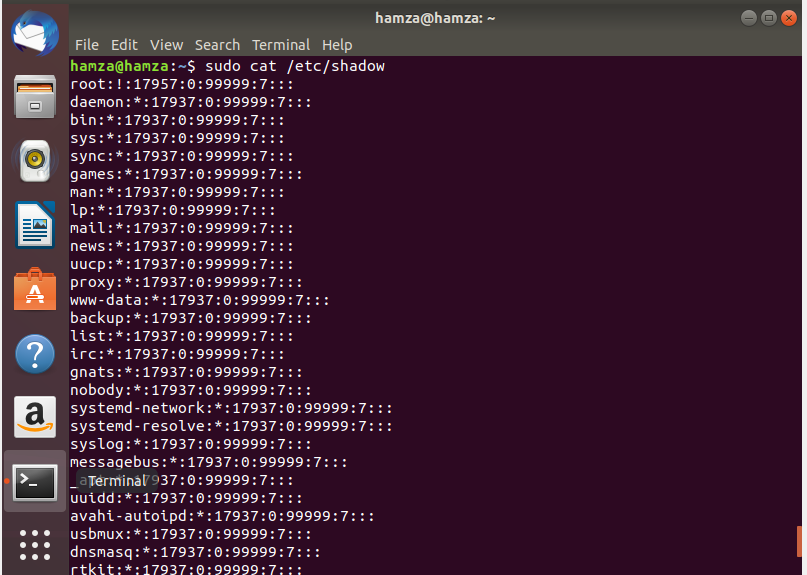
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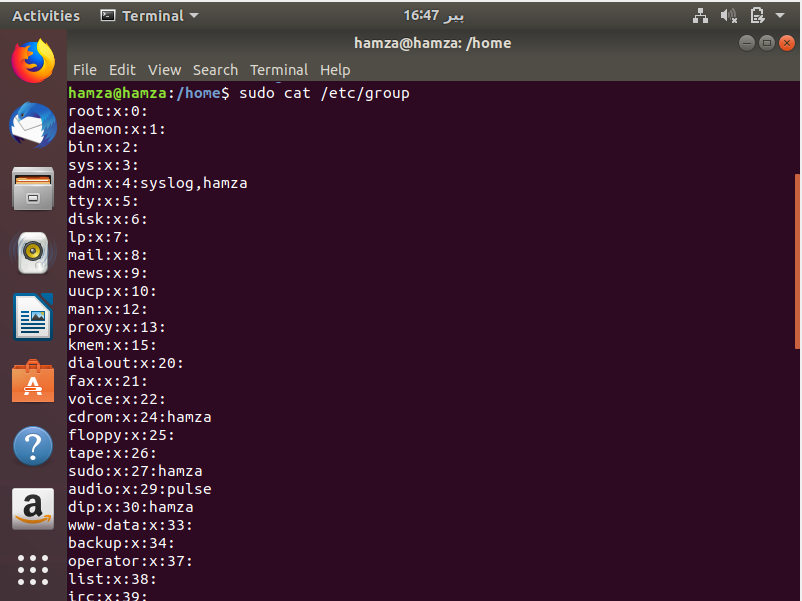
**(j)**

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**(k)**

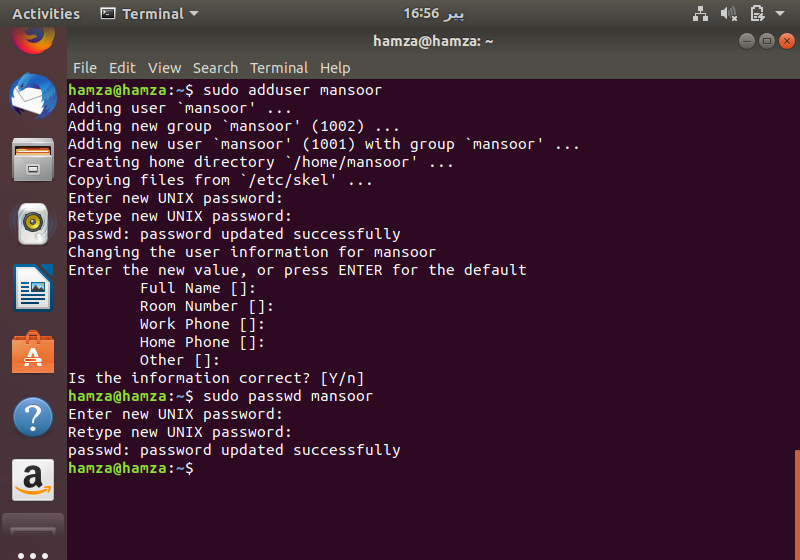
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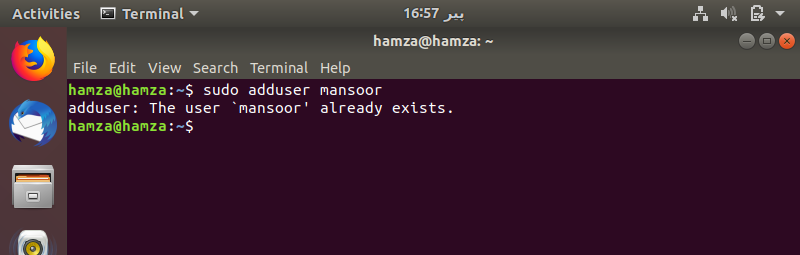
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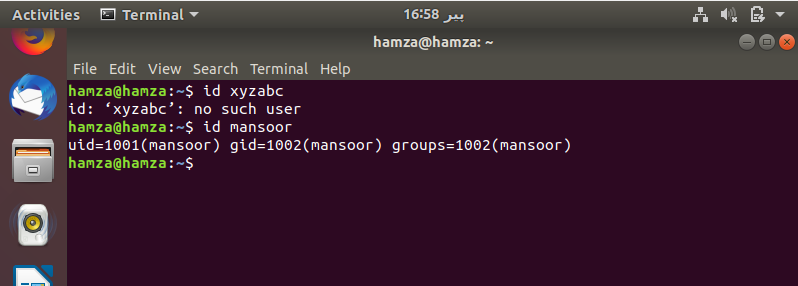
**TASK # 03**

**(a)**

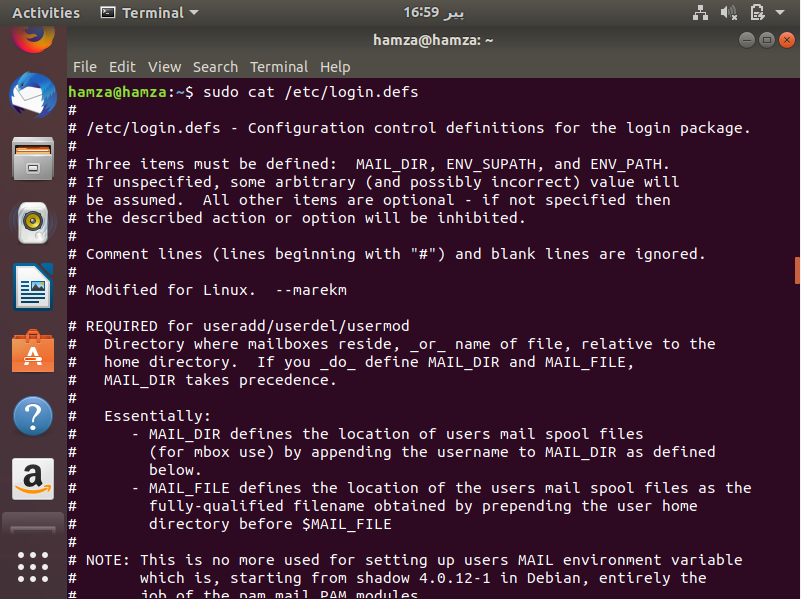
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**(b)**

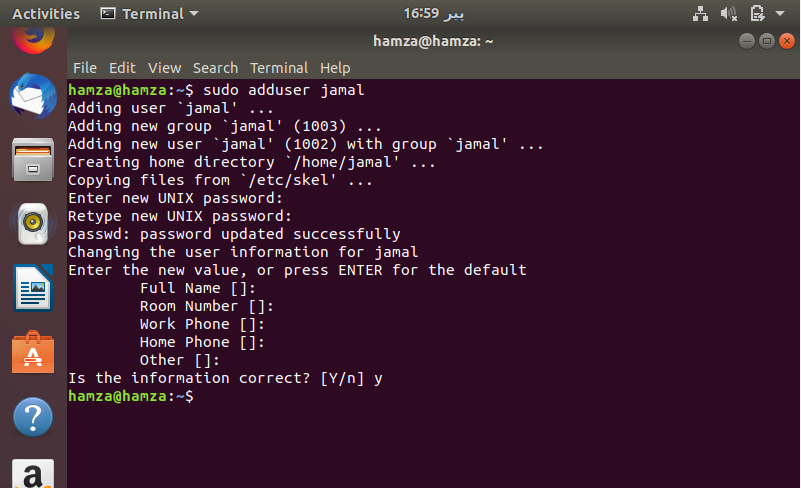
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**(c)**

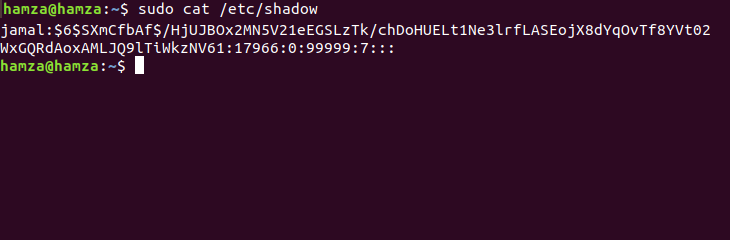
**(d)**

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**(e)**

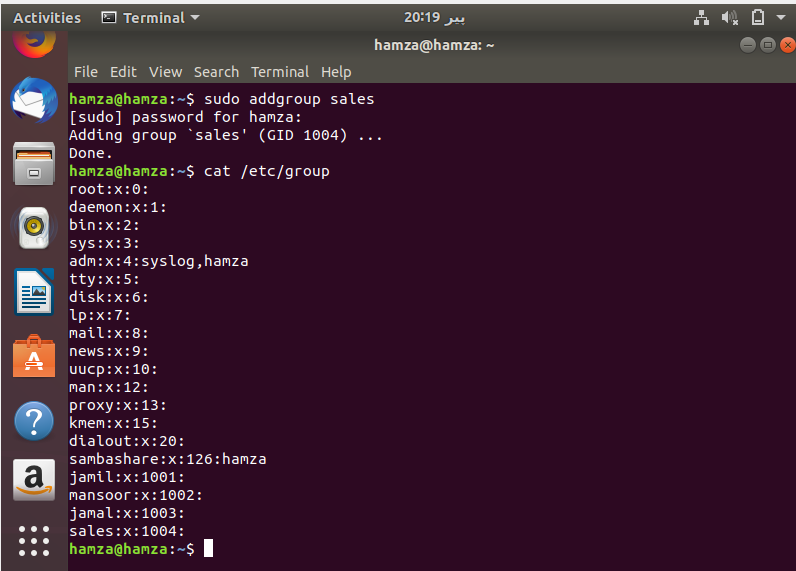
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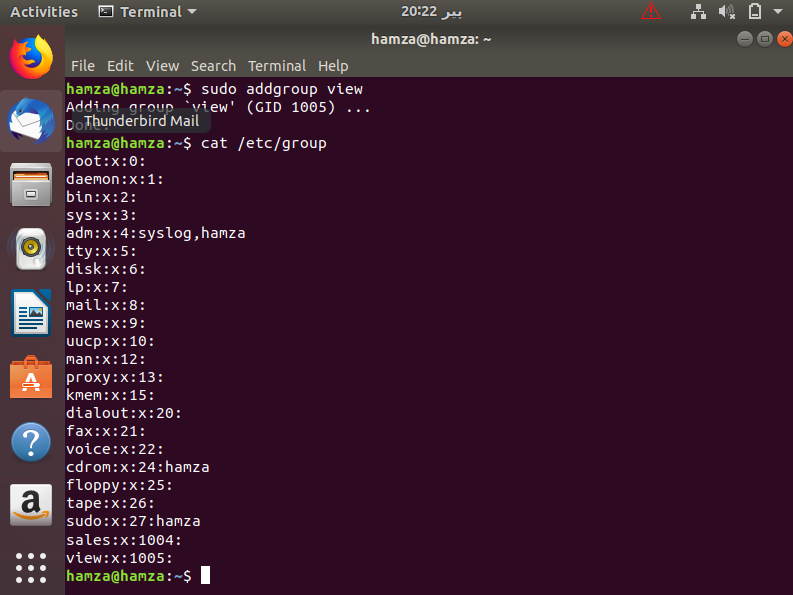
**(f)**

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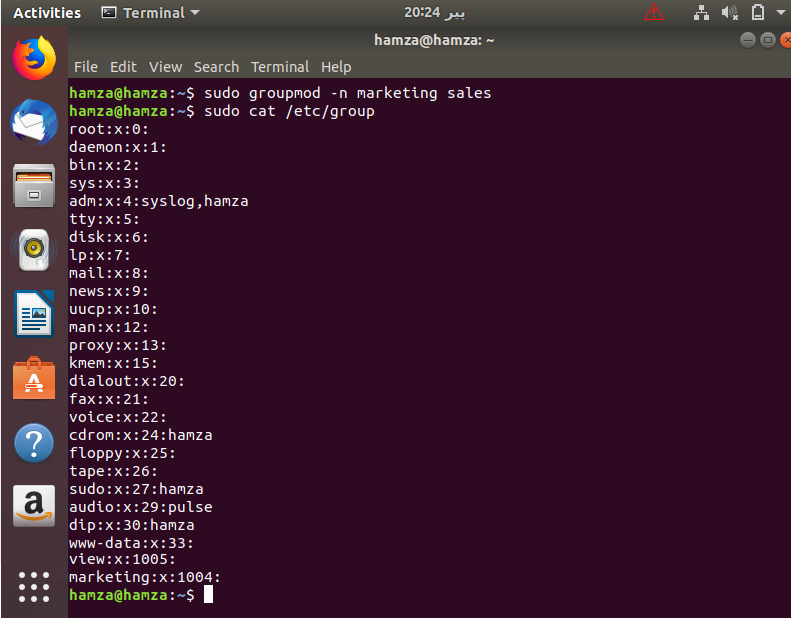
**TASK # 04**

**(a)**

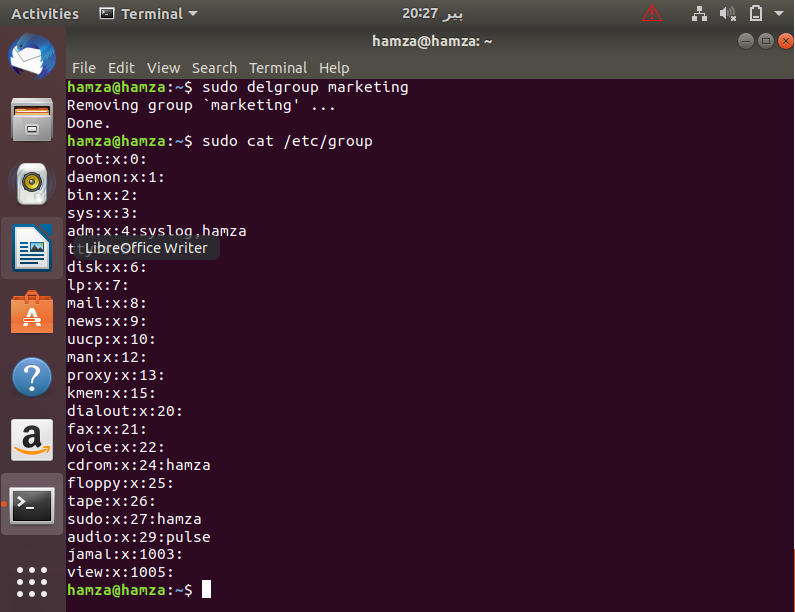
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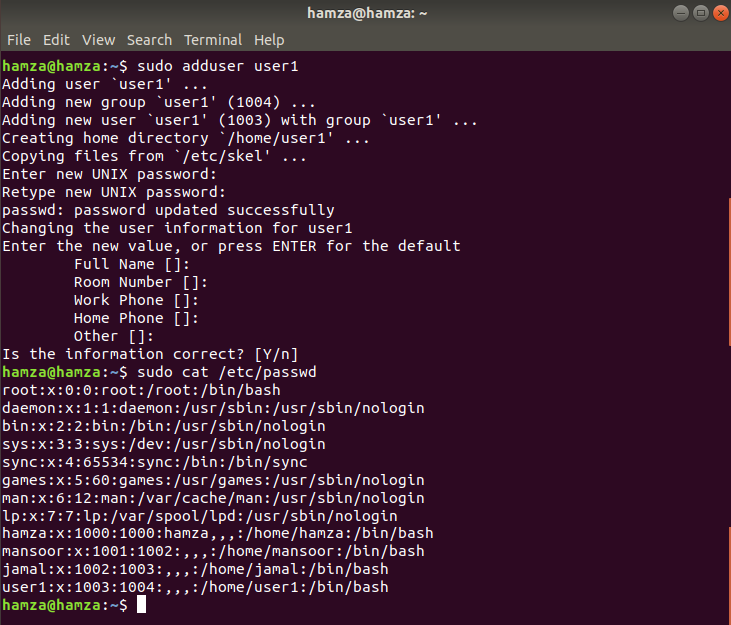
**(b)**

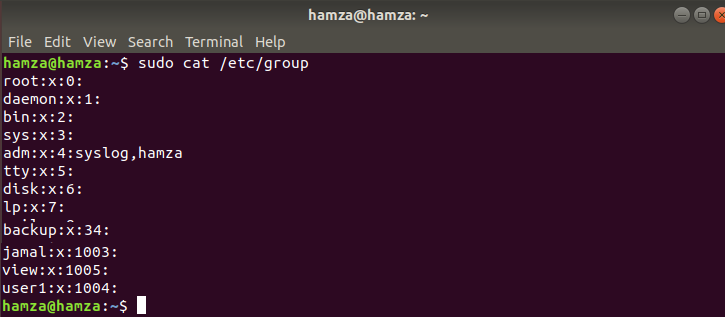
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**(c)**

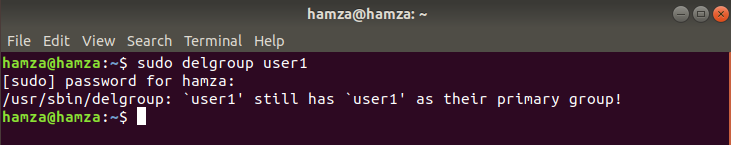
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**(d)**

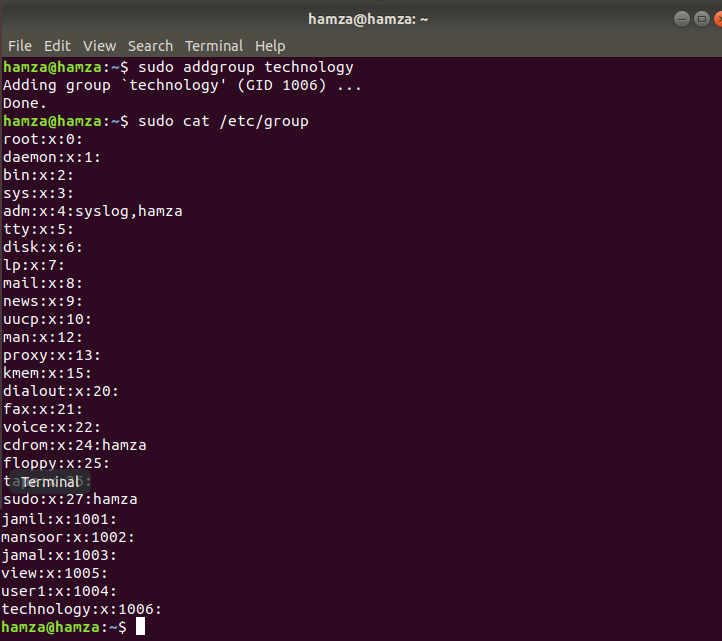
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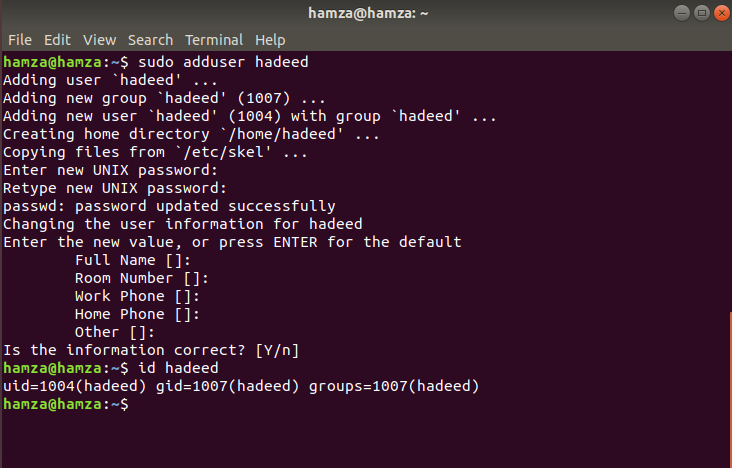
**(e)**

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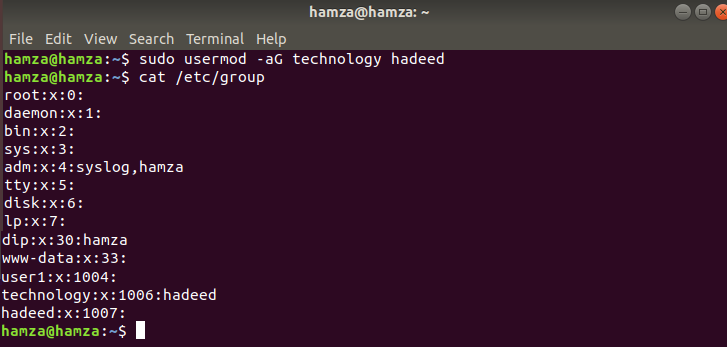
**(f)**

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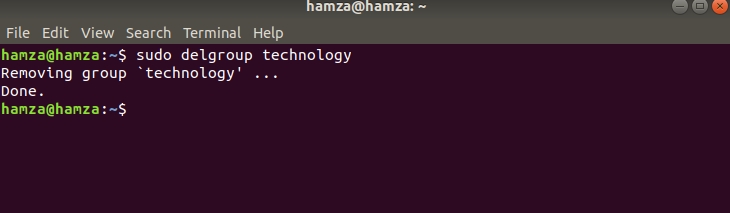
**(g)**

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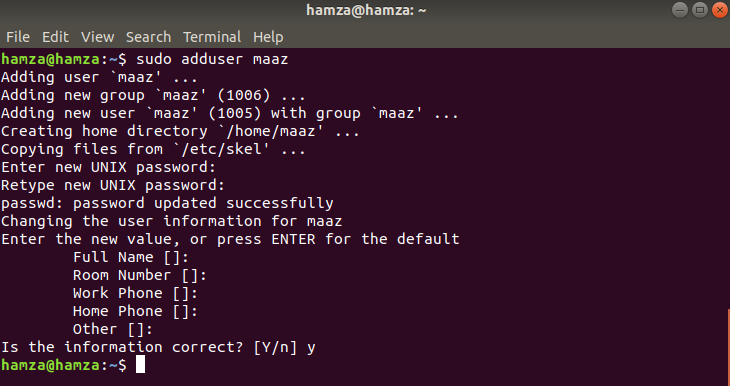
**(h)**

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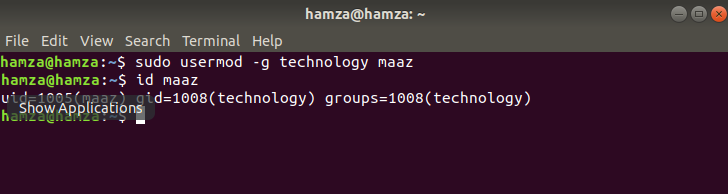
**(i)**

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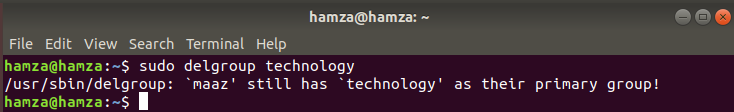
**(j)**

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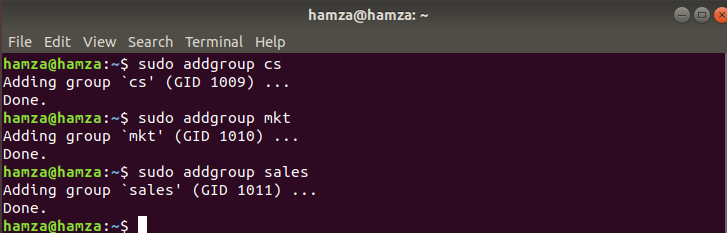
**(k)**

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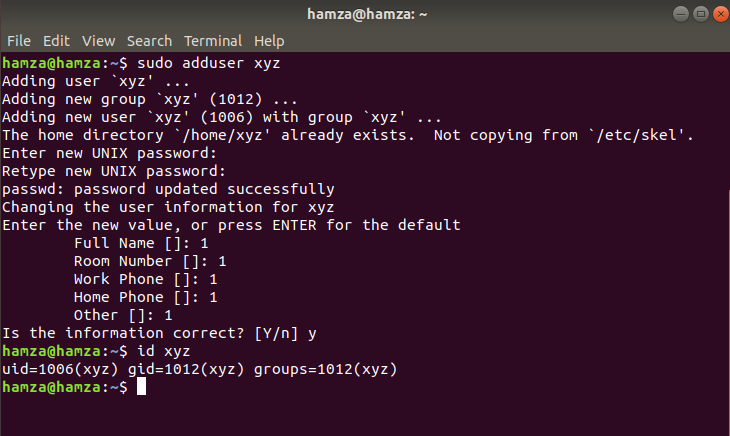
**(l)**

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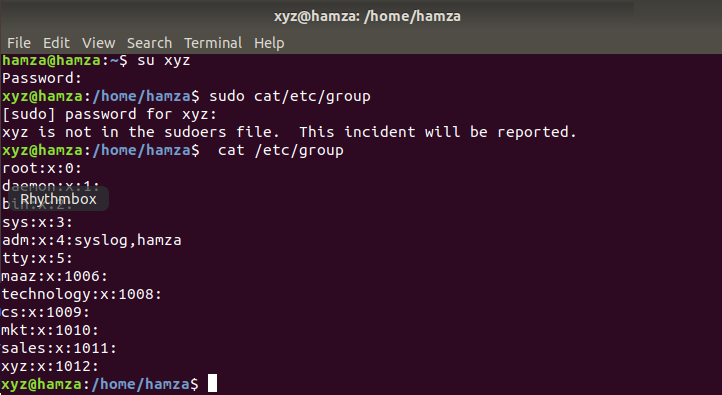
**(m)**

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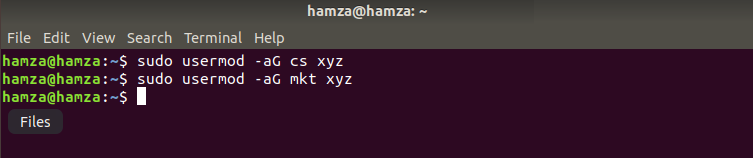
**(n)**

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**(o)**

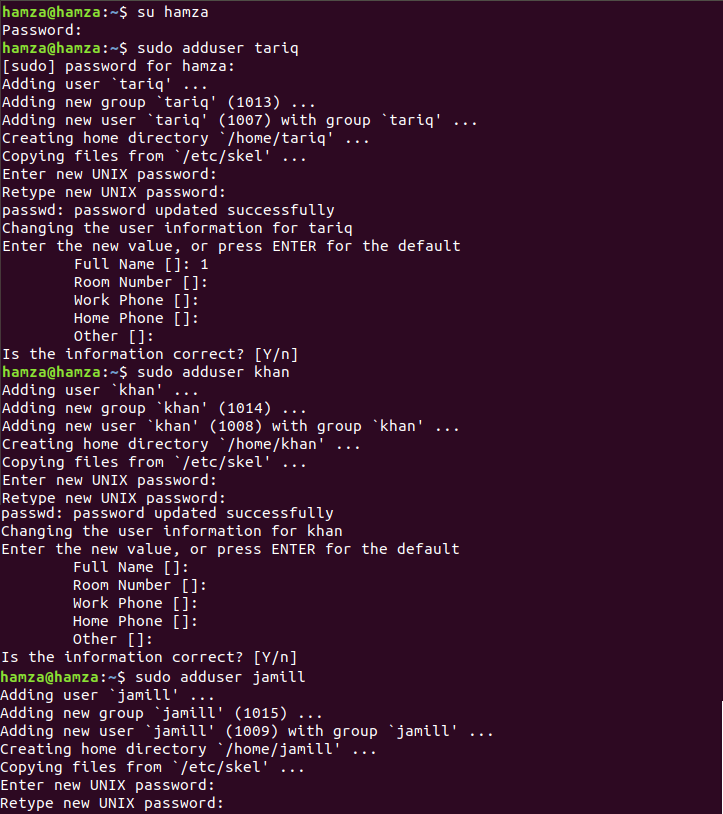
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**(p)**

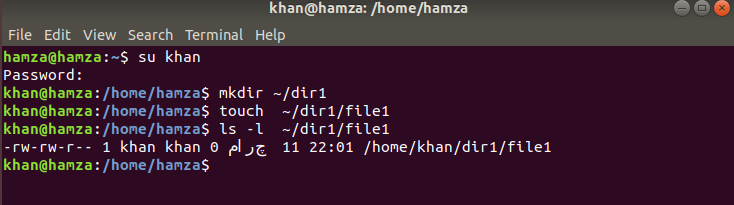
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**TASK # 05**

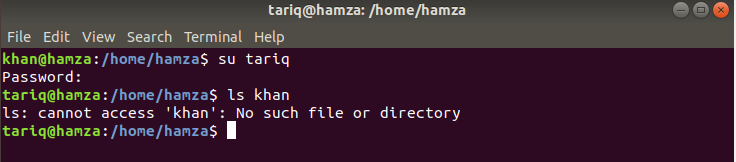
**(a)**

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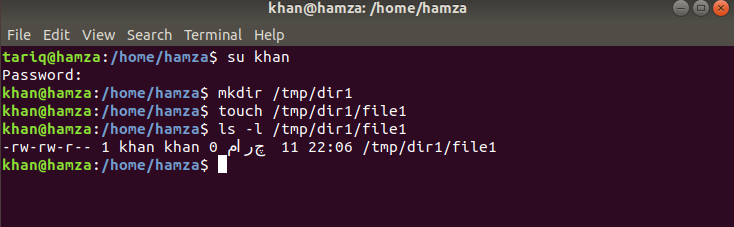
**(b)**

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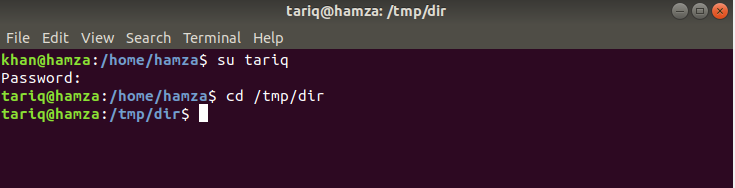
**(c)**

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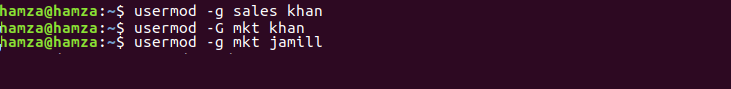
**(d)**

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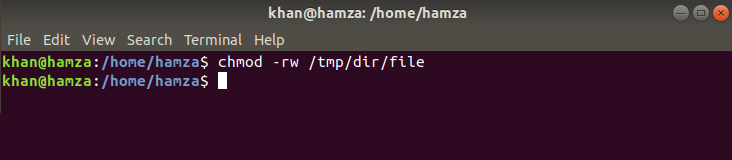
**(e)**

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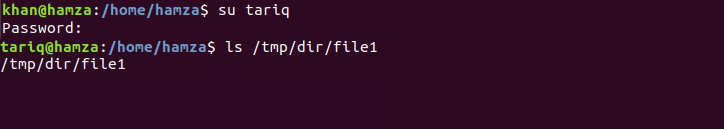
**(f)**

****

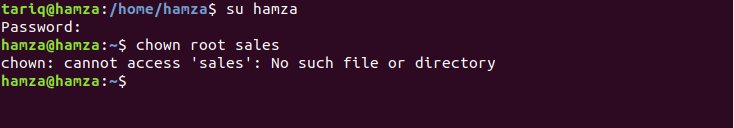
**(g)**

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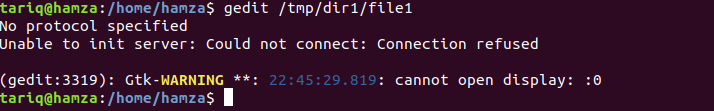
**(h)**

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**(i)**

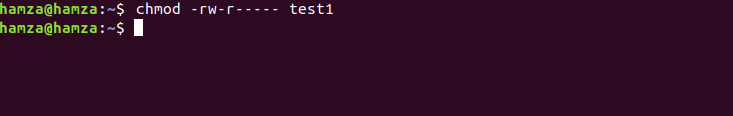
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**(j)**

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**TASK # 06**

**(a)**

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**(b)**

**b - Part (a)**

***chmod 740 courses***

chmod 740 set read, write and execute permission to owner of course, set read, write permission to group of course and only read permission to others of course.

**b - Part (b)**

***chmod u=rwx courses***

It gives read, write and execute permission to the owner of course.

**b - Part (c)**

***chmod 700 ~***

It sets permissions so that owner can read write and execute but group and others cannot read, write and execute.

**b - Part (d)**

***chmod ugo-rw sample***

It does not give read, write and execute permission to owner, group and others.

**b - Part (e)**

***chmod a-rw sample***

It takes every permission that will be given to sample by default or some other way.

**b - Part (f)**

***chmod a+x sample***

It gives execute permission to owner, group and others of sample.

**b - Part (g)**

***chmod g=u sample***

It will remove write permission from group of sample.

**b - Part (h)**

***chmod go= sample***

It will remove permissions from group and others.

**b - Part (i)**

***chmod 776 ~/lab5***

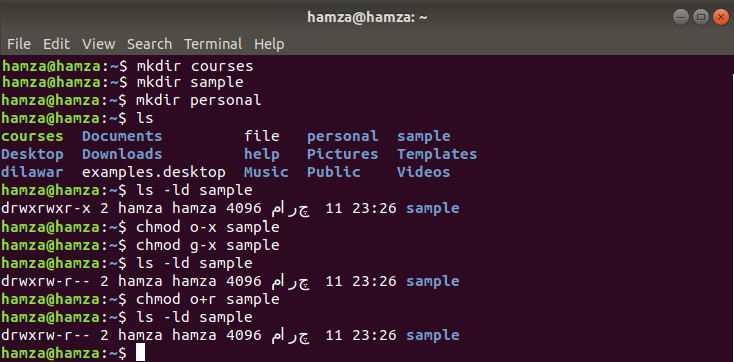
It gives read, write and execute permissions to owner and groups and only read, write permission to others.

**b - Part (j)**

***chmod 751 ~/lab***

It will remove read permission from group.

**(c)**

  
**(d)**

chmod 700 gives read, write and execute permissions to only owner. So after using this command only owner can read the file but group and others cannot read it.