

Format for Assignment Submission**For Term End Exam June / December- December (Year) 2025****(Please read the instructions given below carefully before submitting assignments)**

1. Name of the Student : **Mark L F Tlau**
2. Enrollment Number : **2550670762**
3. Programme Code : **BCA_NEW**
4. Course Code : **BCSL013**
(Use this format course-wise separately)
5. Study Centre Code : **07162P**
6. Name of the Study Centre : **Mohyal Education and Research Institute, Qutab Institutional Area, New Delhi**
With complete address
7. Mobile Number : **+916009341754**
8. E-mail ID : **wintersunset95@gmail.com**
9. Details if this same assignment has been submitted anywhere else also :
10. Above information is cross checked and it is correct: Yes/No (Yes)

Date of Submission:**(Signature of the student)****A. Important Instructions:-**

1. Please do not send any assignment at any email of the Regional Centre, it will not be considered.
2. Please avoid duplicacy. Do not re-submit the same assignment anywhere else or by any other means.
3. About the mode of submission of assignments, pl wait for instructions from IGNOU Hqtrs. As soon as we shall come to know, we will share it with all.
4. Please do not use plastic covers. Use plain A4 size pages for assignments for uniformity and better management with this cover page format on each assignment.
5. Please write your name and enrollment no. at the bottom of each page of your assignment.
6. Please retain a photocopy set of assignment submitted with you for record (may be asked to submit at later stage) and also keep the assignment submission receipt in safe custody.
7. If assignment awards are not updated in your Grade Card **within next 09 months**, please write to us at rcdelhi1@ignou.ac.in giving your complete details and attaching the proof of assignment submission.
8. Assignment Question Paper can be downloaded from: <https://webservices.ignou.ac.in/assignments/>

B. Compulsory sequence of the Assignment Set:

1. Duly Filled in Assignment Submission Cover Page (This Format Page).
2. Copy of IGNOU Identity Card.
3. Printout of valid/applicable assignment question paper.
4. Handwritten Assignment, written on both the sides of page (preferably plain A4 size).

1. Answer the following in the context of the Linux Operating System.

(a) Write and run the following Linux commands and attach the screenshots of the output of each command. [cite: 278, 279]

i. date

```
~/Desktop/College/oct31/BCSL013 master*
> date
Thu Oct 30 00:51:25 IST 2025
```

ii. man

```
zATHURA(1) zathura zATHURA(1)
NAME
       zathura - a document viewer
SYNOPSIS
       zathura [-c XID] [-c PATH] [-d PATH] [-p PATH] [-w PASSWORD] [-P NUMBER] [--fork] [-l LEVEL] [-s] [-x CMD] [-sync-
tex-forward INPUT] [-syncTEX-pid PID] [-find STRING] <files>
DESCRIPTION
       zathura displays the given files. If a single hyphen-minus (-) is given as file name, the content will be read from the standard input. If no files are given, an empty zathura instance launches.
OPTIONS
       -e,--parent=xid
           Reparents to window specified by xid
       -c,--config-dir=path
           Path to the config directory
       -d,--data-dir=path
           Path to the data directory
       -P,--plugins-dir=path
           Path to the directory containing plugins
       -w,--password=password
           The documents password. If multiple documents are opened at once, the password will be used for the first one and zathura will ask for the passwords of the remaining files if needed.
       -P,--page-number
           Opens the document at the given page number. Pages are numbered starting with 1, and negative numbers indicate page numbers starting from the end of the document, -1 being the last page.
       -f,--find=string
           Opens the document and searches for the given string.
       -l,--log-level=level
           Set log level (debug, info, warning, error)
       -x,--synctex-editor-command=command
           Set the synctex editor command. Overrides the synctex-editor-command setting.
       -syncTEX-forward=INPUT
           Jump to the given position. The switch expects the same format as specified for synctex's view -i. If no instance is running for the specified document, a new instance will be launched (only if --syncTEX-pid is not specified).
       --syncTEX-pid=pid
           Manual page zathura(1) line 1 (press h for help or q to quit)
star_store 1 nvim 1 bash* 2 bash 3 sudo
```

INDIRA GANDHI NATIONAL OPEN UNIVERSITY
Regional Centre Delhi-1
Format for Assignment Submission
(Please read the instructions given below carefully before submitting assignments)

1. Name of the Student	: Mark I. F. Tushar
2. Enrolment Number	: 2559679762
3. Programme Code	: BCA_NEW
4. Course Code (use the same course-wise separately)	: BEGLA136
5. Study Centre Code	: 07162P
6. Name of the Study Centre With complete address	: Mohali Education and Research Institute, Qutab Institutional Area, New Delhi
7. Mobile Number	: +916099341754
8. E-mail ID	: wintersunrise95@gmail.com
9. Details of this same assignment has been submitted anywhere else also	:
10. Above information is cross checked and it is correct: Yes/No	: Yes

Date of Submission: _____ (Signature of the student)

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8. Assignment Question Paper can be downloaded from <http://www.ignou.ac.in/assignments/>

B. Compulsory sequence of the Assignment Set:

1. Only File in Assignment Submission Cover Page (This Format Page).
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3. Printout of valid/applicable assignment question paper.
4. Handwritten Assignment, written on both the sides of page (preferably plain A4 size).

iii. mv

```
~/Desktop/College/oct31 Master*
> mkdir BCS012
~/Desktop/College/oct31 master*
> mv BCS-012-25-26.pdf BCS012
~/Desktop/College/oct31 master*
> ls BCS012
BCS-012-25-26.pdf
~/Desktop/College/oct31 Master*
```

iv. ln

A screenshot of a terminal window. The title bar shows '00:55'. The status bar at the bottom right shows '1' and '2'. The terminal content is:

```
~/.config
> rm -rf i3

~/.config
> ln -sf ~/Desktop/Arch-Dotfiles/i3 ./i3

~/.config
> 
```

v. chmod

A screenshot of a terminal window. The title bar shows '00:55'. The status bar at the bottom right shows '1' through '7'. The terminal content is:

```
~/Desktop/College/oct31 master*
> touch test_script

~/Desktop/College/oct31 master*
> chmod +x test_script

~/Desktop/College/oct31 master*
> ls -l test_script
-rwxr-xr-x 1 autumn autumn 0 Oct 30 00:55 test_script

~/Desktop/College/oct31 master*
> 
```

vi. find

A screenshot of a terminal window. The title bar shows '00:58'. The status bar at the bottom right shows '1' through '7'. The terminal content is:

```
~
> find . -name "ignou*"
find: './.cache/yay/libastal-river-git/pkg': Permission denied
find: './.cache/yay/libastal-auth-git/pkg': Permission denied
find: './.cache/yay/libastal-cava-git/pkg': Permission denied
find: './.cache/yay/libastal-wireplumber-git/pkg': Permission denied
find: './.cache/yay/hyprland-git/pkg': Permission denied
find: './.cache/yay/jfbview/pkg': Permission denied
find: './.cache/yay/appmenu-glib-translator-git/pkg': Permission denied
find: './.cache/yay/python-persist-queue/pkg': Permission denied
find: './.cache/yay/python-flask-restx/pkg': Permission denied
find: './.cache/yay/gcc13/pkg': Permission denied
./ignou.txt
find: './Desktop/immich-app/postgres': Permission denied
./Desktop/College/oct31/ignoucover.sty
./Downloads/wally/ignou

```

vii. diff

```
~/Desktop/College/oct31 master* 00:59:11
> touch file1 file2

~/Desktop/College/oct31 master* 00:59:15
> nvim file1

~/Desktop/College/oct31 master* 00:59:57
> cat file1
Line 1
Line 2 with extra characters

~/Desktop/College/oct31 master* 01:00:02
> cat file2
Line 1
Line 2

~/Desktop/College/oct31 master* 01:00:08
> diff file1 file2
2c2
< Line 2 with extra characters
---
> Line 2

~/Desktop/College/oct31 master* 01:00:16
>
star_store nvim 1 bash* 2 bash 3 zsh break? +22°C 85.8% 100%
```

viii. tail

```
~/Desktop/College/oct31 master* 01:00:44
> tail BEVAE/main.tex
      This statement is entirely correct because the human impact of a natural disaster is not defined by its physical magnitude alone, but by its direct interaction with human vulnerability. The "ratio of killed to affected" is a stark measure of this vulnerability.

      First, the \textbf{type of calamity} sets the baseline risk. A sudden-onset disaster like an earthquake or a tsunami offers almost no warning time, often resulting in a high ratio of fatalities. In contrast, a slow-onset disaster like a drought or a well-forecasted flood may affect millions (e.g., crop loss, displacement) but have a much lower immediate death toll.

      Second, the \textbf{degree of preparedness} is the most critical variable, explaining why the same event has vastly different outcomes in different places. For example, the 2010 Haiti earthquake (magnitude 7.0) killed over 100,000 people due to a near-total lack of building codes and emergency response infrastructure. Conversely, the 2011 Japan earthquake (magnitude 9.0) was exponentially more powerful, yet strict building codes, advanced tsunami warning systems, and well-trained emergency services resulted in a far lower ratio of deaths to the millions affected.

      Finally, \textbf{density of population} acts as a risk multiplier. A powerful cyclone striking a densely populated coastal city in Bangladesh will inherently endanger more lives than an identical storm hitting a sparsely populated Australian coastline. High population density in high-risk zones, such as slums on unstable hillsides, dramatically increases the casualty ratio when a disaster (like a mudslide) occurs.

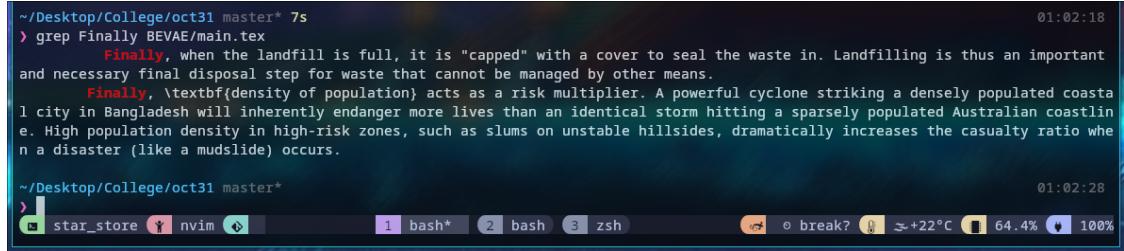
\end{enumerate}
\end{document}

~/Desktop/College/oct31 master* 01:01:09
star_store nvim 1 bash* 2 bash 3 zsh break? +22°C 67.1% 100%
```

ix. pwd

```
~/Desktop/College/oct31 master*
> pwd
/home/autumn/Desktop/College/oct31
```

x. grep



```
~/Desktop/College/oct31 master* 7s          01:02:18
> grep Finally BEVAE/main.tex
    Finally, when the landfill is full, it is "capped" with a cover to seal the waste in. Landfilling is thus an important
and necessary final disposal step for waste that cannot be managed by other means.
    Finally, \textbf{density of population} acts as a risk multiplier. A powerful cyclone striking a densely populated coasta
l city in Bangladesh will inherently endanger more lives than an identical storm hitting a sparsely populated Australian coastlin
e. High population density in high-risk zones, such as slums on unstable hillsides, dramatically increases the casualty ratio whe
n a disaster (like a mudslide) occurs.

~/Desktop/College/oct31 master*          01:02:28
> star_store nvim
  1 bash*  2 bash  3 zsh
  o break?  ↵ +22°C  64.4%  100%
```

- (b) Create a text file in Linux consisting of 10 lines. Create a copy of this file. Count how many times the word “a” appeared in this file. Display the file permissions of the file created by you. Now, change the file permissions of this file to rw-rw-rw-.

2. Hello there