



SANSKAR SINGH
FYIT- 86

**MALAD KANDIVALI EDUCATION SOCIETY'S
NAGINDAS KHANDWALA COLLEGE OF COMMERCE,
ARTS & MANAGEMENT STUDIES & SHANTABEN NAGINDAS
KHANDWALA COLLEGE OF SCIENCE
MALAD [W], MUMBAI – 64
(AUTONOMOUS)**

**(Reaccredited 'A' Grade by NAAC)
(AFFILIATED TO UNIVERSITY OF MUMBAI)
(ISO 9001:2015)**

CERTIFICATE

Name: SANSKAR PRADEEP SINGH

Roll No: 86 Programme: BSc IT Semester: II

This is certified to be a bonafide record of practical works done by the above student in the college laboratory for the course **IT platforms, Tools and Practices** (Course Code: **2026UISTP**) for the partial fulfillment of Second Semester of BSc IT during the academic year 2021-2022.

The journal work is the original study work that has been duly approved in the year 2021-2022 by the undersigned.

External Examiner

Subject-In-Charge
(Ms. Anisha
Asirvatham)

Date of Examination: **(College Stamp)**

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| 3. | | BASIC UNDERSTANDING ON FREE AND OPEN- SOURCE SOFTWARE a) Describe Open-Source Software with Example. b) Describe Free Software with Example c) Difference between Free and Open-Source Software. | |
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| 10. | | Define the terms renewable resource and non-renewable and give examples of each resource type that are related to forage production. | |
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PRACTICAL NO 4

IT TOOLS

INTODUCTION AND CONTRIBUTION TO WIKIPEDIA

#INDEX

- 1) Description and features of wikipedia**
- 2) Creating account on wikipedia**
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- 4) Editing a page in wikipedia**

Practical No- 4

IT TOOLS

AIM :

- 1) Description about wikipedia and its features.**
- 2) Creating account on wikipedia**
- 3) Creating a page in wikipedia.**
- 4) Editing created page on wikipedia.**

#1) Description and features of wikipedia

Wikipedia is a free, open content online encyclopedia created through the collaborative effort of a community of users known as Wikipedians. Anyone registered on the site can create an article for publication; registration is not required to edit articles. The site's name comes from wiki, a server program that enables anyone to edit Web site content through their Web browser. Jimmy Wales and Larry Sanger co-founded Wikipedia as an offshoot of an earlier encyclopedia project, Nupedia, in January 2001.

Originally, Wikipedia was created to provide content for Nupedia. However, as the wiki site became established it soon grew beyond the scope of the earlier project. As of January 2015, the website provided well over five million articles in English and more than that number in all other languages combined. At that same time, Alexa ranked Wikipedia as the seventh-most popular site on the Internet. Wikipedia was the only non-commercial site of the top ten. Criticisms of Wikipedia include assertions that its openness makes it unreliable and unauthoritative. Because articles don't include bylines, authors aren't publicly accountable for what they write. Similarly, because anyone can edit any article, the site's entries are vulnerable to unscrupulous edits. In August 2007, Virgil Griffiths created a site.

Some features of Wikipedia

- 1. Wikis can be edited by multiple approved people.**
 - 2. All edits are tracked in the page's history.**
 - 3. Linking between pages on a wiki is very simple.**
 - 4. Pages are automatically placed in a list of all pages.**
 - 5. A recent changes page shows all edits made to the wiki.**
 - 6. Any bad edits can be easily reverted**
 - 7. Note taking.**
 - 8. Knowledge management.**
 - 9. Community Websites.**
 - 10. Intranets.**
- CLICK ONCREATE
ACCOUNT
- ## #2) Creating account on wikipedia

Step 1 : Open any browser and type www.wikipedia.com and click on the official wikipedia link. After that wikipedia welcome page will appear then select a language according to your choice.



After clicking on language the wikipedia content page will be shown



WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Current events
Random article
About Wikipedia
Contact us
Donate
Contribute
Help
Learn to edit
Community portal
Recent changes
Upload file

Tools
What links here
Related changes
Special pages

Article Talk

Read View source View history Search Wikipedia

Not logged in Talk Contributions Create account Log in

Wikipedia

From Wikipedia, the free encyclopedia

For the English edition, see [English Wikipedia](#). For other uses, see [Wikipedia \(disambiguation\)](#).

Wikipedia (/wɪkɪ'pi:diə/ (listen) *wik-ih-PEE-dee-ə* or /wɪki-/ (listen) *wik-ee-*) is a free, multilingual open-collaborative online encyclopedia created and maintained by a community of volunteer editors using a wiki-based editing system. It is one of the 15 most popular websites as ranked by Alexa, as of January 2021^[3] and *The Economist* newspaper placed it as the "13th-most-visited place on the web".^[4] Featuring no advertisements, it is hosted by the Wikimedia Foundation, an American non-profit organization funded primarily through donations.

Wikipedia was launched on January 15, 2001, by Jimmy Wales and Larry Sanger. Sanger coined its name^{[5][6]} as a portmanteau of "wiki" and "encyclopedia". It was initially an English-language encyclopedia, but versions in other languages were quickly developed. With 6.2 million articles, the English Wikipedia is the largest of the 317 Wikipedia encyclopedias. Overall, Wikipedia comprises more than 55 million articles,^[7] attracting 1.7 billion unique visitors per month.^{[8][9]}

Wikipedia has been criticized for its uneven accuracy and for exhibiting systemic bias, including gender bias, with the majority of editors being male.^[4] Edit-a-thons have been held to encourage female editors and increase the coverage of women's topics.^[10] In 2006, *Time* magazine stated that the open-door policy of allowing anyone to edit had made Wikipedia the biggest and possibly the best encyclopedia in the world, and was a testament to the vision of Jimmy Wales.^[11] The project's reputation improved further in the 2010s as it increased efforts to improve

Wikipedia



WIKIPEDIA

The logo of Wikipedia, a globe featuring glyphs from various writing systems

Screenshot [show]

Type of site Online encyclopedia
Available in 317 languages
Country of United States

Step 2 : For creating a new account click on the **create account** option present in the top right corner of the wikipedia page.

Not logged in Talk Contributions Create account Log in

Article Talk

Read View source View history

Search Wikipedia



Wikipedia

From Wikipedia, the free encyclopedia

For the English edition, see [English Wikipedia](#). For other uses, see [Wikipedia \(disambiguation\)](#).

Wikipedia (/wɪkɪ'pi:diə/ (listen) *wik-ih-PEE-dee-ə* or /wɪki-/ (listen) *wik-ee-*) is a free, multilingual open-collaborative online encyclopedia created and maintained by a community of volunteer editors using a wiki-based editing system. It is one of the 15 most popular websites as ranked by Alexa, as of January 2021^[3] and *The Economist* newspaper placed it as the "13th-most-visited place on the web".^[4] Featuring no advertisements, it is hosted by the Wikimedia Foundation, an American non-profit organization funded primarily through donations.

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Wikipedia has been criticized for its uneven accuracy and for exhibiting systemic bias, including gender bias, with

Wikipedia



WIKIPEDIA

The logo of Wikipedia, a globe featuring glyphs from various writing systems

Step 3 : Enter username and set password for your account. Enter email id and then complete the captcha and click on create your account.

SPECIAL PAGE

SEARCH

WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Current events
Random article
About Wikipedia
Contact us
Donate
Contribute
Help
Learn to edit
Community portal
Recent changes
Upload file
Tools
Upload file
Special pages
Printable version
Languages

Create account

Your username will be public.

Please consider using an anonymous username, and not your real name, unless you are comfortable with your identity being public for the entire internet to see and identify you.

Once an account has been created, it is essentially impossible to hide the original username should you later want to change it for privacy reasons.

Username (help me choose)

Password

It is recommended to use a unique password that you are not using on any other website.

Confirm password

Email address (optional)

To protect the wiki against automated account creation. we kindly ask you to

Wikipedia is made by people like you.

1,001,801,968 edits

6,248,162 articles

148,222 recent contributors

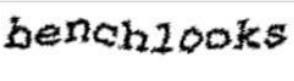
It is recommended to use a unique password that you are not using on any other website.

Confirm password

Email address (optional)

To protect the wiki against automated account creation, we kindly ask you to enter the words that appear below in the box (more info):

CAPTCHA Security check



[Can't see the image? Request an account](#)



6,248,162 articles



148,222 recent contributors

[Privacy policy](#) [About Wikipedia](#) [Disclaimers](#) [Contact Wikipedia](#) [Mobile view](#) [Developers](#) [Statistics](#) [Cookie statement](#)

Now you have successfully created account in wikipedia



WIKIPEDIA
Free Encyclopedia

in page
events
recent events
random article
out Wikipedia
contact us
donate
contribute
perm to edit
community portal
recent changes
read file
links
at links here
related changes
special pages
permanent link
page information
edit this page
erring data from en.wikipedia.org...

Article [Talk](#)

NAVEENN10 [Talk](#) [Sandbox](#) Preferences Beta Watchlist Contributions Log out

[Read](#) [View source](#) [View history](#) [Search Wikipedia](#) [\[show\]](#)

Wikipedia

From Wikipedia, the free encyclopedia

For the English edition, see [English Wikipedia](#). For other uses, see [Wikipedia \(disambiguation\)](#).

Wikipedia ([//wiki\(pi:dia/ \(listen\) *wik-ih-PEE-dee-ə*\) or \[//wiki-/ \\(listen\\) *wik-ee-*\]\(#\)\) is a free, multilingual open-collaborative online encyclopedia created and maintained by a community of volunteer editors using a wiki-based editing system. It is one of the 15 most popular websites as ranked by Alexa, as of January 2021^{\[3\]} and *The Economist* newspaper placed it as the "13th-most-visited place on the web".^{\[4\]} Featuring no advertisements, it is hosted by the Wikimedia Foundation, an American non-profit organization funded primarily through donations.](#)

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Wikipedia has been criticized for its uneven accuracy and for exhibiting systemic bias, including gender bias, with the majority of editors being male.^[4] Edit-a-thons have been held to encourage female editors and increase the coverage of women's topics.^[10] In 2006, *Time* magazine stated that the open-door policy of allowing anyone to edit had made Wikipedia the biggest and possibly the best encyclopedia in the world, and was a testament to the vision of Jimmy Wales.^[11] The project's reputation improved further in the 2010s as it increased efforts to improve its quality and reliability, based on its unique structure, curation and absence of commercial bias.^[4] In 2018, Facebook and YouTube announced that they would help users detect fake news by suggesting links to related Wikipedia articles.^[12]

Wikipedia



The logo of Wikipedia, a globe featuring glyphs from various writing systems

Screenshot [\[show\]](#)

| | |
|-------------------|--|
| Type of site | Online encyclopedia |
| Available in | 317 languages |
| Country of origin | United States |
| Owner | Wikimedia Foundation |
| Created by | Jimmy Wales Larry Sanger ^[1] |

#3) Creating a page in wikipedia

Step 1 : To create a new page click on username.

The screenshot shows the English Wikipedia homepage. At the top, there is a navigation bar with links for 'Main Page', 'Talk', 'Read', 'View source', 'View history', and a search bar. On the left, there is a sidebar with links for 'Main page', 'Contents', 'Current events', 'Random article', 'About Wikipedia', 'Contact us', 'Donate', 'Contribute', 'Help', 'Learn to edit', 'Community portal', 'Recent changes', 'Upload file', and 'Tools'. The main content area features a large green banner for 'From today's featured article' about the Silesian Wars. Below the banner is a painting of a battle scene with soldiers. To the right of the painting, there is a summary of the wars. Further down the page, there is a section titled 'In the news' with a list of recent events and a small portrait of Carlos Menem.

Step 2 : After clicking on the username the profile page will appear then just click on create source.



WIKIPEDIA
The Free Encyclopedia

Main page
Contents
Current events
Random article
About Wikipedia
Contact us
Donate

Contribute

Help
Learn to edit
Community portal
Recent changes
Upload file

Tools

What links here
User contributions
Recent changes

User page Talk

NAVEENN10 1 1 Talk Sandbox Preferences Beta Watchlist Contributions Log out

Create source

User:NAVEENN10

From Wikipedia, the free encyclopedia

Wikipedia does not have a user page with this exact name. In general, this page should be created and edited by **User:NAVEENN10**. If in doubt, please verify that "NAVEENN10" exists.

- Start the [User:NAVEENN10 page](#).
- Search for "NAVEENN10" in existing pages of namespace User.
- Look for pages within Wikipedia that link to this title.

Other reasons this message may be displayed:

- If a page was recently created here, it may not be visible yet because of a delay in updating the database; wait a few minutes or try the purge function.
- Titles on Wikipedia are **case sensitive** except for the first character; please check alternative capitalizations and consider adding a redirect here to the correct title.
- If the page has been deleted, check the [deletion log](#), and see Why was the page I created deleted?.

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Powered By
Wikimedia project MediaWiki

Step 3 : Now you can write your article in the given space and also you can insert images, hyperlinks etc.

community portal
recent changes
load file

Tools

What links here
User contributions
Recent changes
Logs
Block this user
View user groups
Special pages
Page information

Languages

The Aspark Owl hypercar is the first of what the Japanese EV maker promises will be a lineup of high-dollar hypercars. The Owl produces 1984 horsepower from four electric motors, what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman

B I Advanced Special characters Help Cite

Insert

Sign your posts on talk pages: ~~~~ Cite your sources:
<ref></ref>

Step 4 : After completing your article click on publish page.

Start page Home page Recent changes Special pages Help Search

Insert ✓ - ° ' " ≈ ≠ ≤ ≥ ± − × ÷ ← → · § Sign your posts on talk pages: ~~~~ Cite your sources:

<ref></ref>

Edit summary (Briefly describe your changes)

Watch this page Enter a short summary [Alt+Shift+b]

By publishing changes, you agree to the Terms of Use, and you irrevocably agree to release your contribution under the CC BY-SA 3.0 License and the GFDL. You agree that a hyperlink or URL is sufficient attribution under the Creative Commons license.

Publish page Show preview Show changes Cancel

Privacy policy About Wikipedia Disclaimers Contact Wikipedia Mobile view Developers Statistics Cookie statement



Now your wikipedia page will be created and it will be Visible to other.

The Aspark Owl hypercar is the first of what the Japanese EV maker promises will be a lineup of high-dollar hypercars. The Owl produces 1984 horsepower from four electric motors, what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman

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#4) Editing pages on wikipedia

Step 1 : Select the article/page you want to edit and then click on Edit source.

The screenshot shows a Wikipedia user page for "User:NAVEENN10". At the top, there is a success message: "✓ The page has been created." Below the header, there are navigation links: User page, Talk, Read, Edit source, View history, and Search Wikipedia. The main content area contains a paragraph about the Aspark Owl hypercar. At the bottom, there is a footer with links to Privacy policy, About Wikipedia, Disclaimers, Contact Wikipedia, Mobile view, Developers, Statistics, Cookie statement, and a note about the Creative Commons Attribution-ShareAlike License. Logos for Wikimedia and MediaWiki are also present.

Step 2 : Make changes to article according to your choice

And then click on publish changes.

B I Advanced > Special characters > Help > Cite

The Aspark Owl hypercar is the first of what the Japanese EV maker promises will be a lineup of high-dollar hypercars. The Owl produces 1984 horsepower from four electric motors, what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman

Insert Sign your posts on talk pages: ~~~~ Cite your sources: <ref></ref>

Edit summary (Briefly describe your changes)

This is a minor edit Watch this page Permanent

By publishing changes, you agree to the [Terms of Use](#), and you irrevocably agree to release your contribution under the CC BY-SA 3.0 License and the [GFDL](#). You agree that a hyperlink or URL is sufficient attribution under the Creative Commons license.

Publish changes Show preview Show changes Cancel

Now your page is edited successfully.

User:NAVEENN10 Preferences Beta Watchlist Contributions Log out

User page Talk

Read Edit source View history Search Wikipedia

User:NAVEENN10

From Wikipedia, the free encyclopedia

The Aspark Owl hypercar is the first of what the Japanese EV maker promises will be a lineup of high-dollar hypercars. The Owl produces 1984 horsepower from four electric motors, what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman what it claims is a unique torque-vectoring system, and a 64.0-kWh lithium-ion battery pack with which Aspark promises 280 miles of driving range. The Owl's claimed top speed is 249 mph, and it'll cost \$3.2 million. Production will be limited to 50 units worldwide, and deliveries will begin in mid-2020. —Connor Hoffman

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PRACTICAL NO 1

#INDEX

1) CREATING ACCOUNT IN GITHUB

2) CREATING A REPOSITORY 3)

CLONING REPOSITORY

10

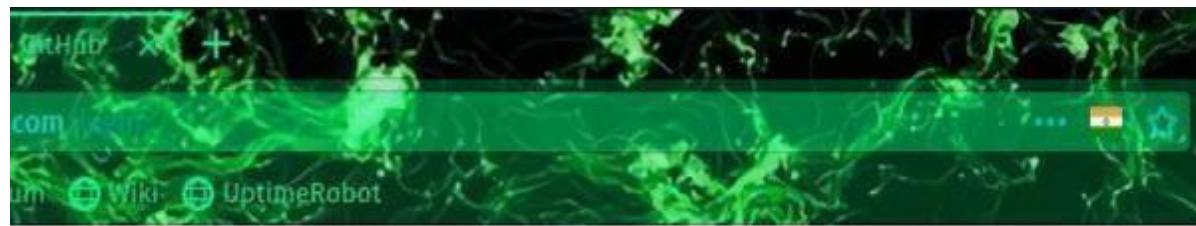
Practical No- 1

IT TOOLS

AIM : Creating account, repository and cloning repository in github.

#1) CREATING ACCOUNT IN GITHUB.

✓ **Step 1** : Type GitHub login in any browser and search it and then click on official github link. After that Github login page will appear then click on **Create an account** Option.



Sign in to GitHub

Username or email address

Password

[Forgot password?](#)

[Sign in](#)

New to GitHub? [Create an account.](#)

CLICK HERE TO CREATE NEW ACCOUNT IN GITHUB.

Step 2 : Now enter username ,Email id and set password for your account and then click on verify account and solve the captcha (it will ask three times to solve the given task) and after that click on the **create account**.

Join GitHub

Create your account

Username *

 ✓

Email address *

 ✓

Password *

 ✓

Make sure it's at least 15 characters OR at least 8 characters including a number and a lowercase letter. [Learn more.](#)

Email preferences

Send me occasional product updates, announcements, and offers.

Verify your account

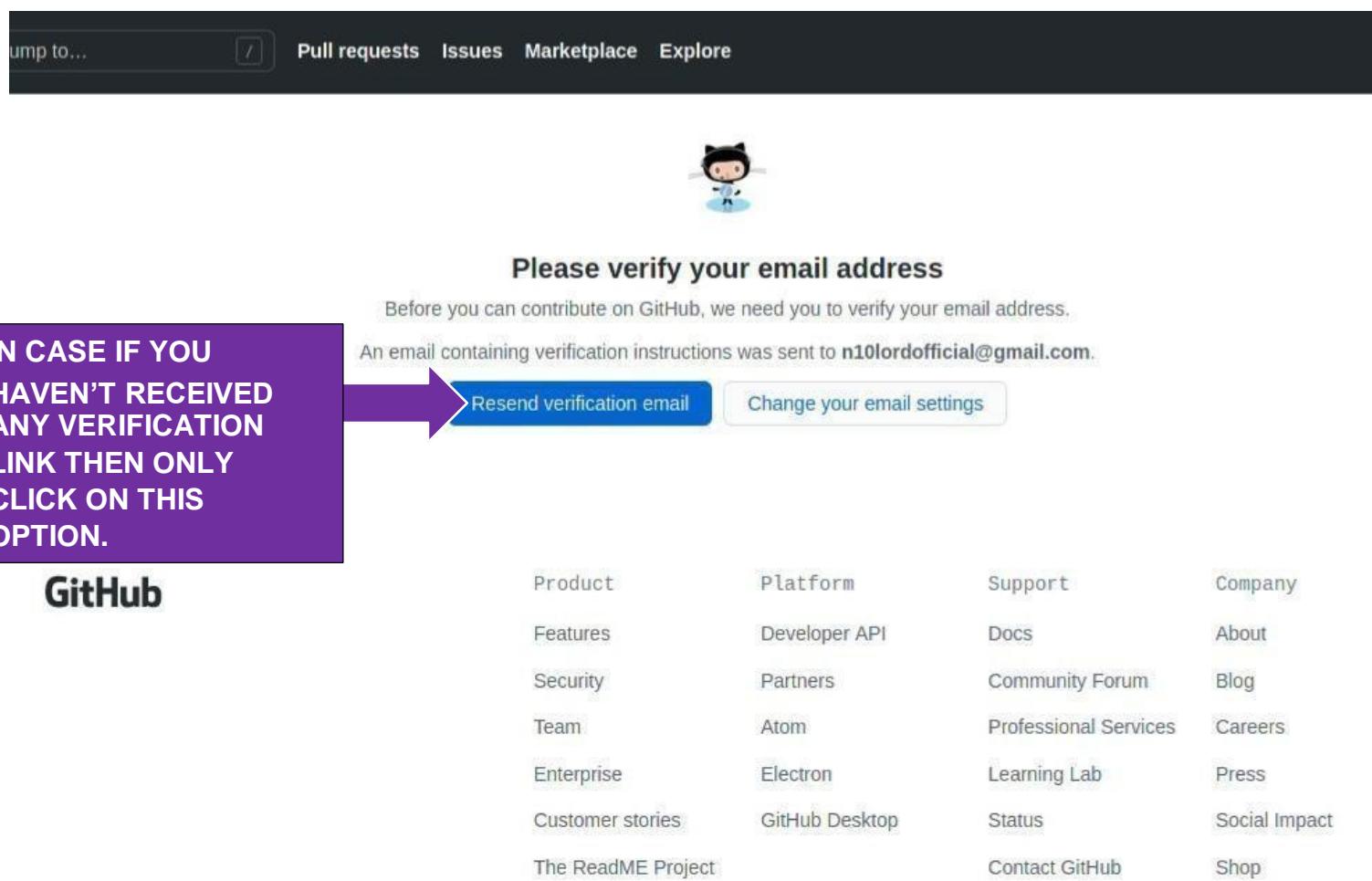
Well Done!

Verification complete!
You've proven you're a human.
Continue your action.

**AFTER ENTERING USERNAME
PASSWORD AND COMPLETING
CAPTCHA CLICK ON CREATE
ACCOUNT.**

Create account 

STEP 3 : After clicking on the create account you will receive a mail on your email account which you have entered while the creating account for verification. Now you have to just click on the mail and then enter the username and password after completing this your account will be verified.

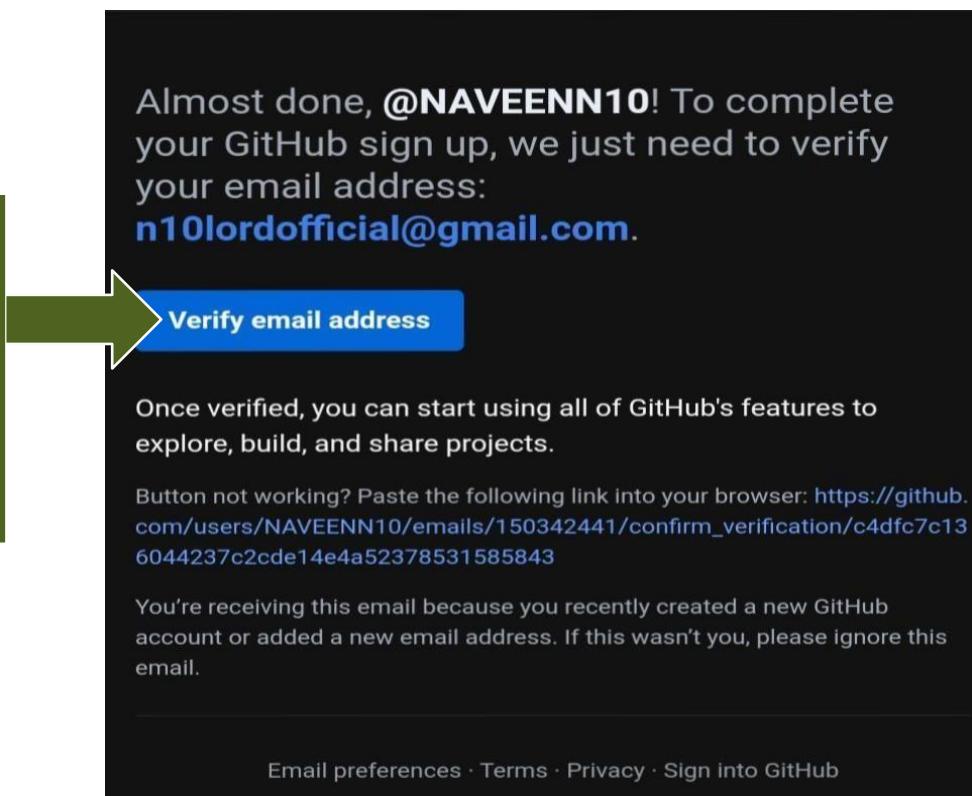


The screenshot shows a GitHub account verification page. At the top, there's a navigation bar with links for 'Jump to...', 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the navigation bar is a GitHub logo icon. The main content area has a heading 'Please verify your email address' and a sub-instruction 'Before you can contribute on GitHub, we need you to verify your email address.' It states that an email containing verification instructions was sent to 'n10lordofficial@gmail.com'. There are two buttons: 'Resend verification email' (highlighted with a purple arrow) and 'Change your email settings'.

IN CASE IF YOU HAVEN'T RECEIVED ANY VERIFICATION LINK THEN ONLY CLICK ON THIS OPTION.

| Product | Platform | Support | Company |
|--------------------|----------------|-----------------------|---------------|
| Features | Developer API | Docs | About |
| Security | Partners | Community Forum | Blog |
| Team | Atom | Professional Services | Careers |
| Enterprise | Electron | Learning Lab | Press |
| Customer stories | GitHub Desktop | Status | Social Impact |
| The README Project | | Contact GitHub | Shop |

CLICK HERE AND IT WILL ASK TO LOGIN THEN ENTER THE USERNAME AND PASSWORD THEN CLICK ON LOGIN. AFTER COMPLETING THIS YOUR ACCOUNT WILL BE VERIFIED SUCCESSFULLY.



3

STEP 4 : After verification you will see github welcome page with some options you can select according to your preference or you can just click on **complete setup**. Now you have successfully created account in Github!!

Welcome to GitHub

Woohoo! You've joined millions of developers who are doing their best work on GitHub. Tell us what you're interested in. We'll help you get there.

What kind of work do you do, mainly?

| | |
|-------------------------------------|---------------------------------------|
| Software Engineer I write code | Student I go to school |
| Product Manager I write specs | UX & Design I draw interfaces |
| Data & Analytics I write queries | Marketing & Sales I look at charts |
| Teacher I educate people | Other I do my own thing |

How much programming experience do you have?



I am interested in:

languages, frameworks, industries

We'll connect you with communities and projects that fit your interests.

For example: sketch pmmpp jamstack

AFTER SELECTING OPTIONS
ACCORDING TO YOUR
PREFERENCE OR DIRECTLY
CLICK ON THIS OPTION.

Complete setup

#2) CREATING A REPOSITORY.

STEP 1: To create a repository click on **create repository** option on the github page.

Create your first project
Ready to start building? Create a repository for a new idea or bring over an existing repository to keep contributing to it.

[Create repository](#) [Import repository](#)

Working with a team?
GitHub is built for collaboration. Set up an organization to improve the way your team works together, and get access to more features.

[Create an organization](#)

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#) [Start a project](#)

CLICK HERE TO CREATE A NEW REPOSITORY IN GITHUB

IN CASE IF YOU CAN'T FIND THE ABOVE OPTION THEN FOLLOW THIS STEP

ace Explore

Learn Git and GitHub without any code!

World guide, you'll create a repository, start a branch, write comments, and open a pull request.

[Read the guide](#) [Start a project](#)

CLICK ON PROFILE ICON AND THEN CLICK ON YOUR USERNAME

#After clicking on username it will open your profile page then you have to click on repository (here you can

**see all the repository created by user) and for creating
a new repository click on new option.**

The screenshot shows a GitHub user profile for 'NAVEENN10'. The profile picture is a stylized yellow 'H' on a white background. The top navigation bar includes links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the navigation, there are tabs for 'Overview', 'Repositories 1', 'Projects', and 'Packages'. A 'ProTip!' box suggests updating profile details. A search bar and filters for 'Type: All' and 'Language: All' are present. An orange call-to-action button labeled 'CLICK HERE TO CREATE NEW REPOSITORY' is overlaid on the page. A green 'New' button is highlighted with an orange arrow. The repository listed is named 'demo' with a commit by 'xyz' updated 2 minutes ago. An 'Edit profile' button is at the bottom left.

Search or jump to... /

Pull requests Issues Marketplace Explore

Overview Repositories 1 Projects Packages

ProTip! Updating your profile with your name, location, and a profile picture helps other GitHub users get to know you. [Edit profile](#)

Find a repository... Type: All Language: All [New](#)

demo xyz Updated 2 minutes ago

[Edit profile](#)

CLICK HERE TO CREATE NEW REPOSITORY

[New](#)

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STEP 2 : Enter repository name and description.
Also you will have to option **PUBLIC** (by selecting this option your repository will be visible to everyone) and **PRIVATE** (by selecting this option your repository will not be visible to others). And you can also add a readme file, gitignore and license. after selecting Option according to your choice click on **Create Repository** Option.

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere? Import a repository.

Owner * NAVEENN10 / **Repository name *** demo ✓

Great repository names are short and memorable. Need inspiration? How about [ubiquitous-octo-tribble](#)?

Description (optional) xyz

 **Public**
Anyone on the internet can see this repository. You choose who can commit.

 **Private**
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

Choose a license
A license tells others what they can and can't do with your code. [Learn more](#).

This will set  main as the default branch. Change the default name in your [settings](#).

Create repository CLICK THIS TO CREATE REPOSITORY

7

#NOW THE NEW REPOSITORY IS CREATED SUCCESSFULLY.

The screenshot shows a GitHub repository page for 'NAVEENN10/demo'. The top navigation bar includes a search bar, 'Pull requests', 'Issues', 'Marketplace', and 'Explore' buttons. Below the header, the repository name 'NAVEENN10 / demo' is displayed, along with a user icon and a 'U' button. A navigation bar below the header offers links to 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. On the left, a sidebar shows 'main' branch details (1 branch, 0 tags), and buttons for 'Go to file', 'Add file', and 'Code'. The main content area displays a commit from 'NAVEENN10' titled 'Initial commit' at 5b1e4ff, made 2 minutes ago. Below this, the 'README.md' file is shown with its content: 'demo' and 'xyz'.

Search or jump to... / Pull requests Issues Marketplace Explore

NAVEENN10 / demo U

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main ▾ 1 branch 0 tags Go to file Add file ▾ Code ▾

NAVEENN10 Initial commit 5b1e4ff 2 minutes ago 1 commit

README.md Initial commit 2 minutes ago

README.md o

demo

xyz

#3) Cloning a Repository

STEP 1: Click on the CODE option

The screenshot shows a GitHub repository page for 'NAVEENN10/demo'. The top navigation bar includes links for 'Pull requests', 'Issues', 'Marketplace', and 'Explore'. Below the bar, the repository name 'NAVEENN10/demo' is displayed. The main navigation menu at the top of the page includes 'Code', 'Issues', 'Pull requests', 'Actions', 'Projects', 'Wiki', 'Security', 'Insights', and 'Settings'. An orange arrow points from the bottom right towards the 'Code' button in the top right corner of the menu. A large orange box highlights the text 'CLICK ON THIS OPTION' over the 'Code' button. The repository details show 'main' branch, '1 branch', '0 tags', 'Go to file', 'Add file', and a green 'Code' button. A commit history is listed with one commit by 'NAVEENN10' titled 'Initial commit' made 2 minutes ago. The 'README.md' file content is shown below, featuring the word 'demo' and the text 'xyz'.

STEP 2 : Copy the link of the Repository.

Search or jump to... / Pull requests Issues Marketplace Explore

NAVEENN10 / demo

Code Issues Pull requests Actions Projects Wiki Security Insights Settings

main · 1 branch · 0 tags Go to file Add file Code

NAVEENN10 Add files via upload

- README.md Initial commit
- index.jpg Add files via upload

README.md

demo

xyz

Clone

HTTPS SSH GitHub CLI (New)

<https://github.com/NAVEENN10/demo.g>

Use Git or checkout with SVN using the web URL.

Download ZIP

COPY THIS LINK

PRACTICAL NO 3

BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE **#INDEX**

- 1) OPEN SOURCE SOFTWARE**
- 2) FREE SOFTWARE**
- 3) DIFFERENCE BETWEEN FREE AND OPEN SOURCE SOFTWARE**

#1) OPEN SOURCE SOFTWARE

Definition: 1) Open-source software is a program that has publicly available code which anyone with technical expertise can use, modify and distribute.

2) Open-source software (OSS) is any computer software that's distributed with its source code available for modification. That means it usually includes a license for programmers to change the software in any way they choose.

3) They can fix bugs, improve functions, or adapt the software to suit their own needs.

Open source software is released through a specific kind of license that makes its source code legally available to end-users. There are many such licenses but typically software is considered open source. It is available in source code form without additional cost, meaning users can view the code that comprises the software and make any kind of changes to it they want.

The source code can be repurposed into other new software, meaning anyone can take the source code and distribute their own program from it.

#Licenses used for Open source software

Different licenses allow programmers to modify the software with various conditions attached. According to the Black Duck KnowledgeBase, a database of some two million open source projects, five of the most popular licenses are:

- 1) MIT License
- 2) GNU General Public License (GPL) 2.0
- 3) Apache License 2.0
- 4) GNU General Public License (GPL) 3.0

Advantages of Open source software

- 1) Its quality can be easily and greatly improved when its source code is passed around, tested, and fixed.
- 2) It offers a valuable learning opportunity for programmers.
- 3) They can apply skills to the most popular programs available today.
- 4) It can be more secure than proprietary software because bugs are identified and fixed quickly.
- 5) Since it is in the public domain, and constantly subject to updates, there is little chance it can become unavailable or quickly outmoded an important plus for long-term projects.

#Disadvantages of Open source software

- 1) Some open source applications may be tricky to set up and use. Others may lack user-friendly interfaces or features that user may not be familiar with.
- 2) Many types of proprietary hardware need specialised drivers to run open source programs, which are often only available from the equipment manufacturer.

3) Open source software licences typically contain only limited warranty and no liability or infringement indemnity protection.

4) Software that is free up-front but later costs money to run can be a major burden, especially if you haven't considered
h ~~PASSWORD~~ id d en ~~ENTER~~ c o

2) Open office

5) Android



android

6) Wordpress ~~ANDERSON~~ s t s

f r o m t he outset..

Some examples of Open source software.

1) Linux





3) ClamWin antivirus



4) Chromium



#2) FREE SOFTWARE



7) Python



Definition:

- 1)Free software (or libre software) is computer software distributed under terms that allow users to run the software for any purpose as well as to study, change, and distribute it and any adapted versions.
- 2)Free software is a matter of liberty, not price, all users are legally free to do what they want with their copies of a free software (including profiting from them) regardless of how much is paid to obtain the program.
- 3)Computer programs are deemed "free" if they give end-users (not just the developer) ultimate control over the software and, subsequently, over their devices.

Licenses used for Free software

Unless the applications' licenses are compatible, combining programs by mixing source code or directly linking binaries is problematic, because of license technicalities. Programs indirectly connected together may avoid this problem.

The majority of free software falls under a small set of licenses. The most popular of these licenses are:

- 1) The MIT License
- 2) The GNU General Public License v2 (GPLv2)
- 3) The Apache License
- 4) The GNU General Public License v3 (GPLv3)
- 5) The BSD License
- 6) The GNU Lesser General Public License (LGPL)

#Advantages of Free software

- 1) Available at minimal cost.
- 2) Provides full freedom for editing.
- 3) No imposed upgrades.
- 4) No spying on users
- . 5) Auditability and Provides better security.

#Disadvantages of free software

- 1) **No Guaranteed Support.** :Some free software programs don't have a large user base, and therefore the user support for certain programs can be lacking or nonexistent
- 2) **Inconsistent Updates.** : Since many members of the free software community develop the code in their spare time as unpaid volunteers, there is a chance that some of the prog
- 3) **No Guaranteed Support.** : Some free software programs don't have a large user base, and therefore the user support for certain programs can be lacking or nonexistent

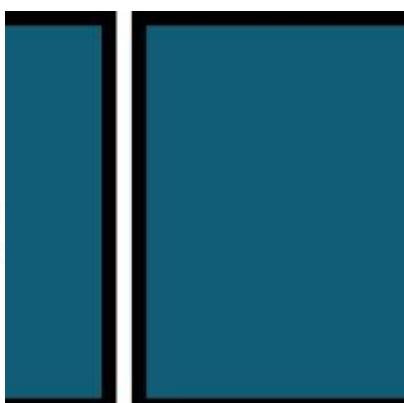
4) **Varying Interfaces.** ;Some free software programs have a much different user interface than their commercial counterparts, and can have a steep learning curve.

AFTER ENTERING USERNAME
PASSWORD AND COMPLETING

1) Mozilla firefox
2) Audacity
Some examples of Free software.

3) Libre office
7) Blender

4) Shotcut(video editor)
8) Thunder Bird



#3) Difference between OSS and FS

FREE SOFTWARE

- 1) Software is an important part of people's lives.
- 2) Software freedom translates to social freedom.
- 3) Freedom is a value that is more important than any economical advantage.
- 4) Examples: The Free Software Directory maintains a large database of free- software packages. Some of the best-known examples include the Linux kernel, the BSD and Linux operating systems, the GNU Compiler Collection and C library; the MySQL relational database; the Apache web server; and the Sendmail mail transport agent.

OPEN SOURCE

- 1) Software is just software. There are no ethics associated directly to it.
- 2) Ethics are to be associated to the people not to the software
- 3) Freedom is not an absolute concept. Freedom should be allowed, not imposed.
- 4) Examples: Prime examples of open-source products are the Apache HTTP Server, the e-commerce platform osCommerce, internet browsers Mozilla Firefox and Chromium (the project where the vast majority of development of the freeware Google Chrome is done) and the full office suite LibreOffice.

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PRACTICAL NO 2

WRITING AN EMAIL

- Open any browser and Search Gmail In Search Box:

Gmail - Goo... - Firefox File Edit View History Bookmarks Tools Help 3/9/21 | 6:57 PM

Garuda Linux | Startpage X gmail - Google Search X +

Getting Started Startpage Homepage Forum Wiki UptimeRobot

gmail - Google Search — Mozilla Firefox https://www.google.com/search?client=firefox-b-d&q=gmail

Google gmail X Sign in

All Books News Shopping Images More Settings Tools

About 2,40,00,00,000 results (0.51 seconds)

www.google.com > [gmail](#) ▾

Gmail - Google
Gmail is email that's intuitive, efficient, and useful. 15 GB of storage, less spam, and mobile access.

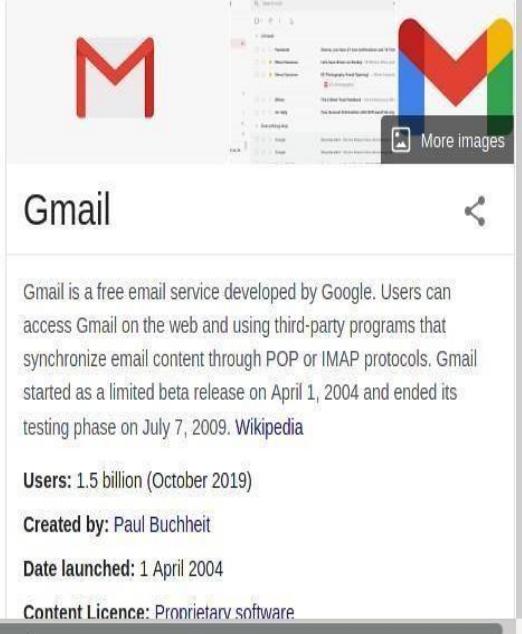
Email from Google
Get more done with Gmail. Now more secure, smarter and ...
[More results from google.com](#) ▾

accounts.google.com > [Login](#) ▾

Sign in - Google Accounts
Sign in. Use your Google Account. Email or phone. Forgot email? Type the text you hear or see. Not your computer? Use Guest mode to sign in privately.

play.google.com > [store](#) > [apps](#) > [details](#) ▾

Gmail – Apps on Google Play



- Gmail Will be Open Like This then click on sign in and continue

Gmail - Email... - Firefox File Edit View History Bookmarks Tools Help

Gmail - Email from Google - Mozilla Firefox

Garuda Linux | Startpage Gmail - Email from Google +

Getting Started Startpage Homepage Forum Wiki UptimeRobot

3/9/21 | 6:58 PM

Gmail For Work Sign in Create an account

Get more done with Gmail

Join video meetings with live captioning and screen sharing for up to 100 people—now with Google Meet in Gmail.

Create an account

Transferring data from lh3.googleusercontent.com...

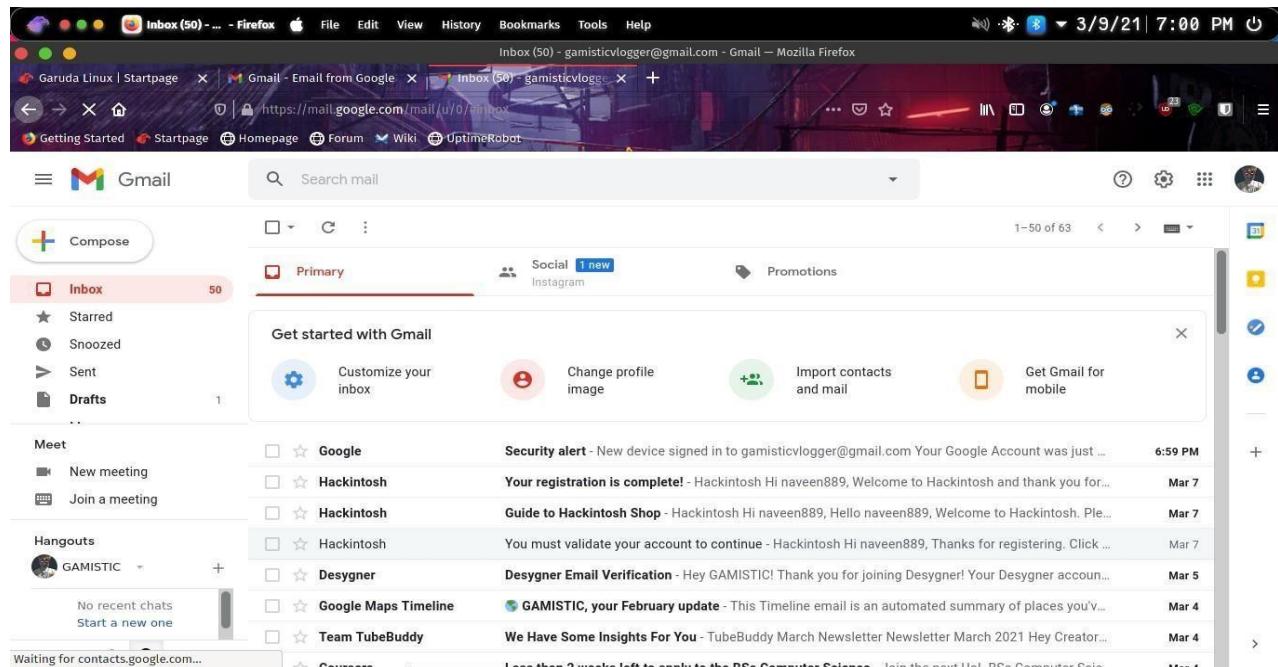
- Then the interface will be like this

The screenshot shows a Mozilla Firefox browser window with three tabs open: "Garuda Linux | Startpage", "Gmail - Email from Google", and "Inbox (50) - gamisticvlogger@gmail.com - Gmail". The "Inbox (50) - gamisticvlogger@gmail.com - Gmail" tab is active, displaying the Gmail inbox interface. The inbox contains 50 messages, with the first few listed below:

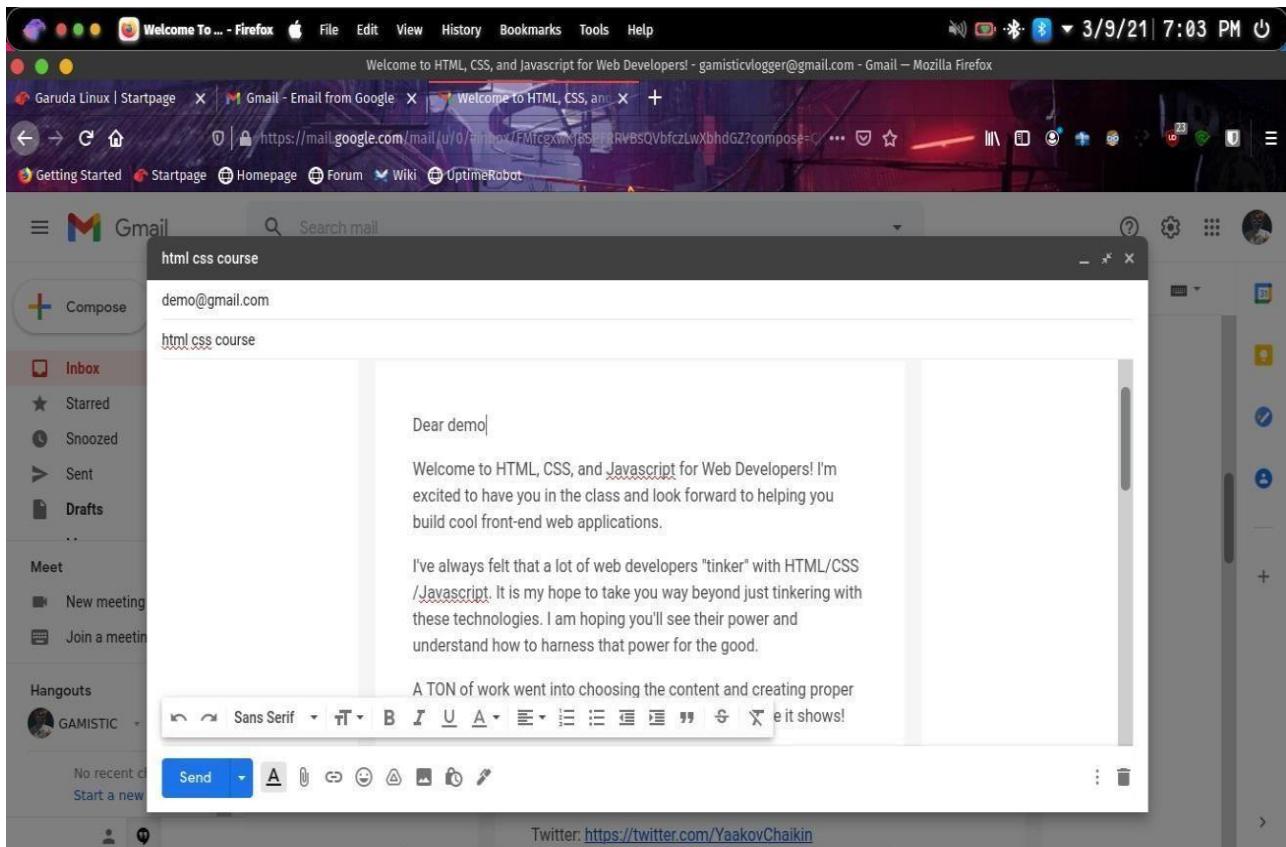
| From | Subject | Date |
|----------------------|---|---------|
| Google | Security alert - New device signed in to gamisticvlogger@gmail.com Your Google Account was just ... | 6:59 PM |
| Hackintosh | Your registration is complete! - Hackintosh Hi naveen889, Welcome to Hackintosh and thank you for... | Mar 7 |
| Hackintosh | Guide to Hackintosh Shop - Hackintosh Hi naveen889, Hello naveen889, Welcome to Hackintosh. Ple... | Mar 7 |
| Hackintosh | You must validate your account to continue - Hackintosh Hi naveen889, Thanks for registering. Click ... | Mar 7 |
| Desyngner | Desyngner Email Verification - Hey GAMISTIC! Thank you for joining Desyngner! Your Desyngner accoun... | Mar 5 |
| Google Maps Timeline | GAMISTIC, your February update - This Timeline email is an automated summary of places you've... | Mar 4 |
| Team TubeBuddy | We Have Some Insights For You - TubeBuddy March Newsletter Newsletter March 2021 Hey Creator... | Mar 4 |

On the left sidebar, the "Compose" button is highlighted. The "Primary" tab is selected, showing 1 new message from Instagram. The "Social" section also shows 1 new message from Instagram.

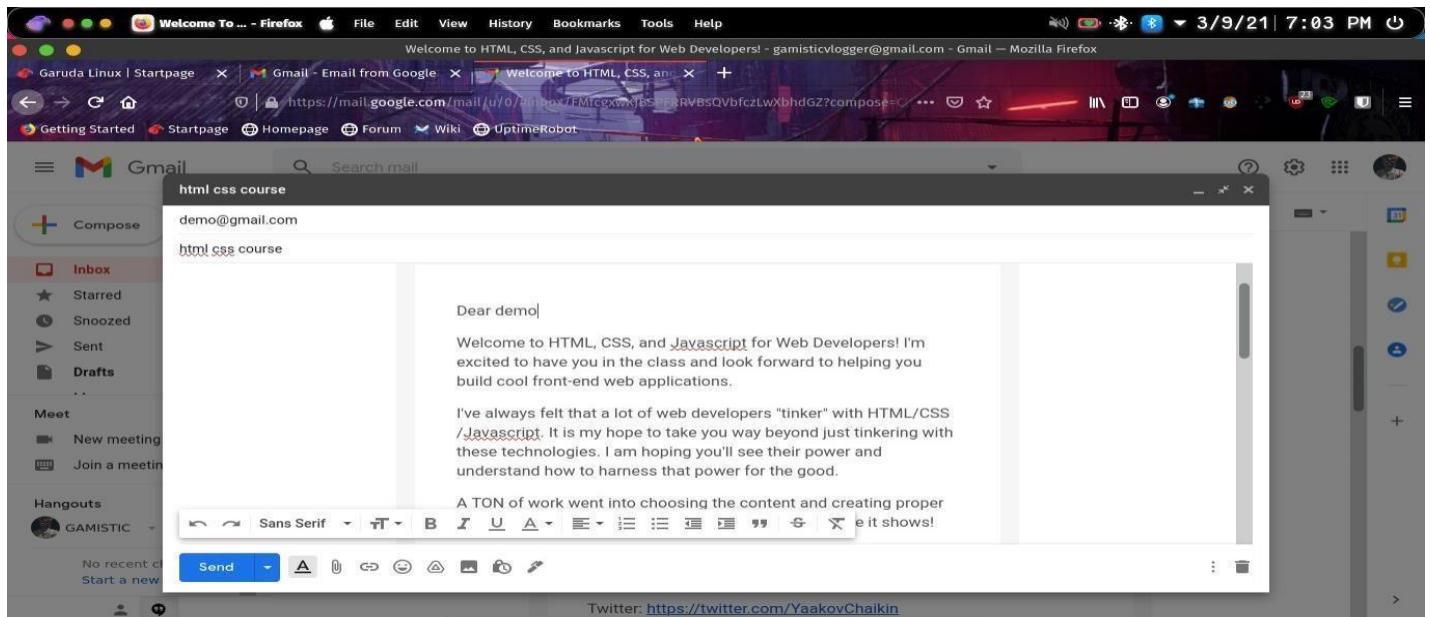
- Click on Compose Section of Mail:



- Enter the Email of Another Person or Other People:



- Enter the subject of mail and write the text regarding to subject of mail:



- Click On Send & The Mail will be sended to see sent mail click on the view message

Welcome To ... - Firefox

File Edit View History Bookmarks Tools Help

3/9/21 | 7:04 PM

Welcome to HTML, CSS, and Javascript for Web Developers! - gamisticvlogger@gmail.com - Gmail – Mozilla Firefox

Garuda Linux | Startpage | Gmail - Email from Google | Welcome to HTML, CSS, and +

https://mail.google.com/mail/u/0/#inbox/5MtcgxWjBSFRRVBsQVbfclwXbhGZ

Getting Started | Startpage | Homepage | Forum | Wiki | UptimeRobot

Gmail Search mail

Compose

Inbox 47

Starred

Snoozed

Sent

Drafts 1

Meet

New meeting

Join a meeting

Hangouts GAMISTIC

Message sent. View message X

After you watch the video, take a few minutes to explore the course site. A good place to start is the navigation bar on the left. Click Course Content to see what material we'll cover each week, as well as preview the assignments you'll need to complete to pass the course. Click Discussions to see forums where you can discuss the course material with fellow students taking the class.

This course should take about four weeks to complete. You can check out the recommended course schedule to see a quick overview of the lessons and assignments you'll complete each week. However, if you want to go fast, don't let the suggested schedule slow you down! Charge ahead! :-)

Good luck as you get started. I look forward to seeing you in class!

All the best,
-Yaakov

Follow me!
Twitter: <https://twitter.com/YaakovChaikin>

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Practical-5 Green Computing

Green computing is environmentally responsible and eco-friendly use of Computers. It is also defined by being the using and disposing of computing Devices in a way that reduces their environmental contact. With today's Powerful systems, not to mention the myriads of peripheral devices, the Home office is an area of the house where energy is wasted and lost. In the Following ways you can contribute to green computing at home:

- 1) Power down when not in use Seems simple but many of us leave computers powered Up for a long time when not in use A large sum of power is being wasted, so if you're Not using the computer press the power button to shut it off until needed. This can be Done even if the computer is working on something. Screensavers do not save power. The same goes for computers, you don't have to shut it down completely if you don't Want to reboot, just use sleep or hibernation mode. This will help save energy and Keep the system in its current state when you need it again.
- 2) Purchase energy-saving hardware If you don't need super-fast computing power then Look out for energy-efficient components when buying a new computer, such as green Hard drives and low-energy processors. While performance is slower and they can use Remarkably less power. Purchasing an energy-saving power supply unit for a .. can help the environment and save money, they're often quieter too.
- 3) Use the power-saving features All computers include power-saving options. Using These features you can command the computer to do various energy-saving tasks. Automatically, including shutting off unused hard disks, powering off a monitor after A given time, or even placing the computer into sleep mode when not in use. This is Very useful on laptops to help preserve battery life.
- 4) Use a laptop instead of desktop Laptops are much better for the environment than Desktop computers as they have components that require less power. If you don't need a desktop computer to consider buying a laptop instead, or if you have both, use the laptop as much as possible before considering the desktop.
- 5) Recycle responsibly Computer hardware is filled with different materials which can be Hazardous to the environment so make sure you dispose of old components Effectively. Don't just throw broken technology in the bin, take the time to trace local Recycling organizations. There should be companies that can remove the metals which may fix or furnish items. You should check with your local authorities to find out what facilities they offer for safe disposal of old computing parts.

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86 Practical-6 Writing Blog

HOW TO INSTALL ANDROID OS ON ANY LAPTOP

March 21, 2021



Δ ABOUT ANDROID OS:

An Open Source OS, based on Android, that incorporates many optimizations, features, and expanded device support. And it is available for just about any Chromebook, Windows/Linux PC or tablet.

Bliss OS is another effort to bring Android experience to the computing market covering all spectrums from smart-phones to computers. That means you can expect a smooth experience even if you switch from your smart-phone to your laptop or your desktop computer.

Δ FEATURES OF OS:

*Focus on design

It includes many options for customization and theming throughout the OS

*Customized settings

It offers many custom options for big screens and small screens alike that allow you to setup your device for various different tasks.

*Performance

The performance of the os is similar to an flagship level Smartphone.

*Battery-friendly

Extra options are provided to help tune battery consumption to the best levels.

***Battery-friendly**

Extra options are provided to help tune battery consumption to the best levels.

***Added Security**

Additional security options and features are found throughout the OS. And AOSP security updates are merged regularly.

***Compatibility**

It works almost on every laptop and pc.

Δ MY EXPERIENCE

I've been using bliss Os with dell Inspiron laptop almost for 3 to 5 months and it is working fine just like a midrange smart phone without any problems. The reason for installing an android Os on laptop was to experience the android environment on a large screen. you may think instead of installing an android os on a 40k laptop you can buy a tablet which has a big screen and it will be much cheaper right? but in my case the laptop have used as a donor was not working properly i was unable to install windows os due to outdated bios and the specifications of the device was every low and it was not at all usable. So i thought instead of throwing it to the scrap atleast i can make it usable and to be honest after installing the android os i was able to play android games and other apps was also working fine without any issues but sometimes apps crashes.

Based on my experience i have mentioned pros and cons of bliss os so that before installing it on your laptop/ Pc so you can get some knowledge about its features, demerits and also about its compatibility.

Δ Pros

1. You can almost use every android apps like Google Play Store,Google play service etc and many more without any bloatware.
2. You can experience Android environment on a large screen along with keyboard and mouse compatibility and no need to install any drivers.
3. It has same security features just like your normal android phones so no issues with security of your files and details stored on your device and laptop.
4. Regular security patch updates which increases the stability and performance of the Operating system.
5. You can play and use High end Android games and editing apps with top notch performance.
6. It is compatible almost with every processor and it will also work on the low end devices.

Δ Cons

1. Sometimes apps crashes while using but its common in android.
2. To update the Android Os you have to download newer Os again and then you have to install from the start.
3. You can't make call for insert simcard obviously you can't because its laptop not smartphone.
4. some times camera built in camera app crashes without any reason.
5. You can't use usb tethering for internet.
6. If your laptop has touch support then the usage of the os will be much better if not then you have scroll very large content to access the app become in laptop scroll bar is used to scroll the app.

If you want to install this os then follow this simple steps without skipping it.

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Δ PREREQUISITES:

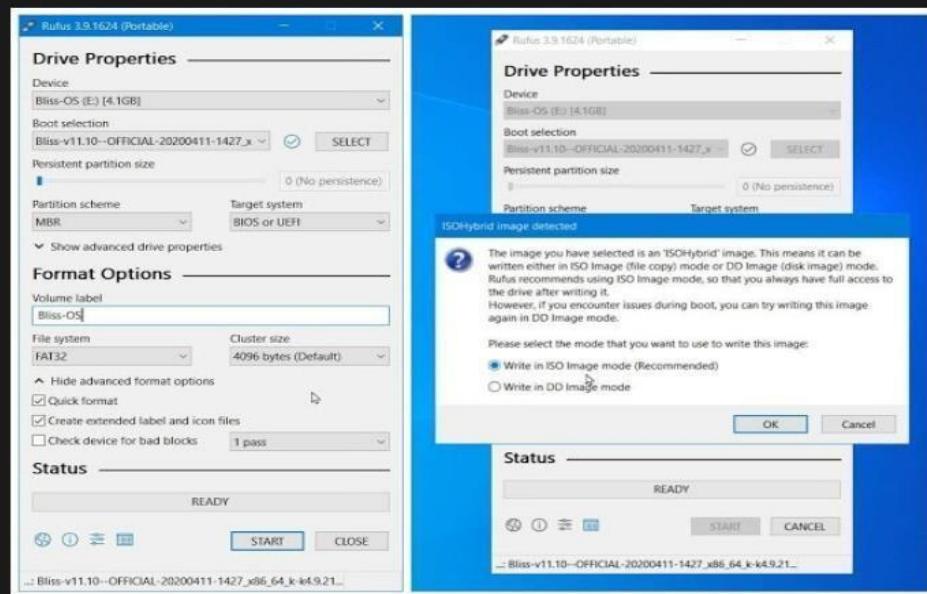
Requirements before installing Bliss OS.

- Download **Rufus** for Windows from its website.
- If you don't have a working laptop or pc use can create bootable pendrive using your android device with the help of **EtchDroid**.
- Download **Bliss OS** (do pick a stable build).
- Get a **flash drive** having a minimum of 4GB of storage.

Δ Prepare the Flash Disk

Before installing Bliss OS (or any OS), you must have a bootable installation pen drive, which you can use to install the OS.

1. Open **Rufus** > click the SELECT button.
2. Choose the downloaded Bliss OS iso and click Open.
3. If you have multiple flash drive, choose one under Device.
4. Without changing any other option, click the START button.
5. If you see a Download required window, click the Yes button.



Δ Install Bliss OS on PC

Step 1 – Boot via the disk

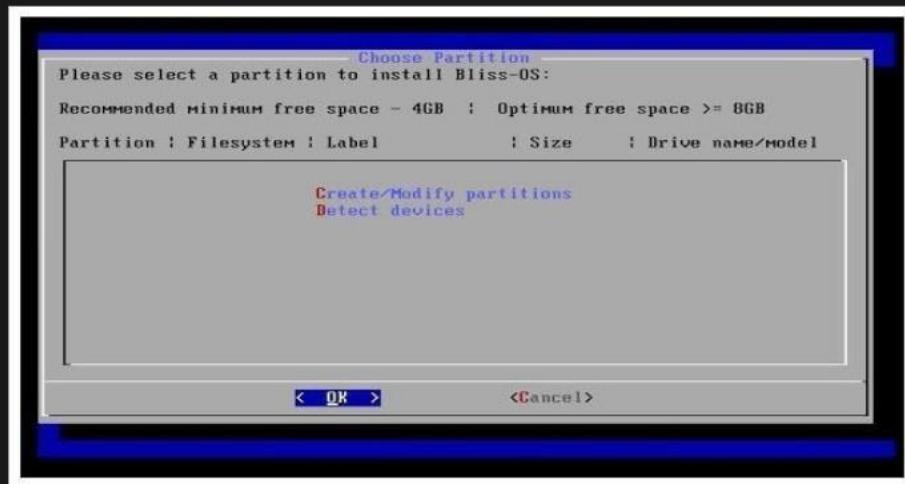
1. Restart your PC to boot from your usb drive. You may need to open the boot menu by clicking F12 key for choosing the disk.
2. When you see the live menu, choose the first option Live CD
3. Then the system will boot into Bliss OS and it will show the bliss installation menu.



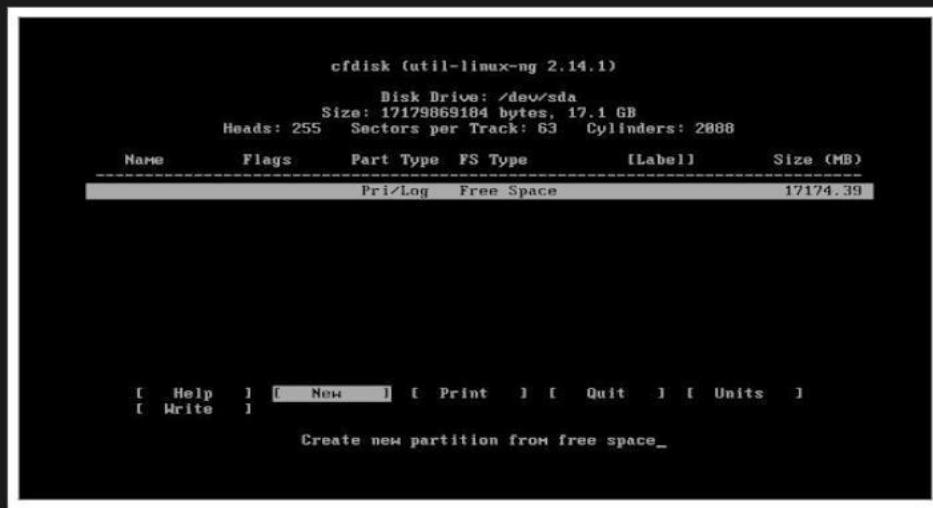
Step 2 – Create a partition

This is an optional part, which is only required if you want to create a new partition using the free space on your system's disk for installing Bliss OS.

1. At the next screen, click **C**, then click Enter to create or modify partitions. I used a virtual machine, so I used the whole hard disk. You may use just some part of your hard disk (create a new partition in such a case).
2. Click **N**, then click Enter for answering to use GDo you want PT?
3. Choose Free Space using up/down keys, then use left/right keys to select New at the bottom. And finally click Enter to create a partition.

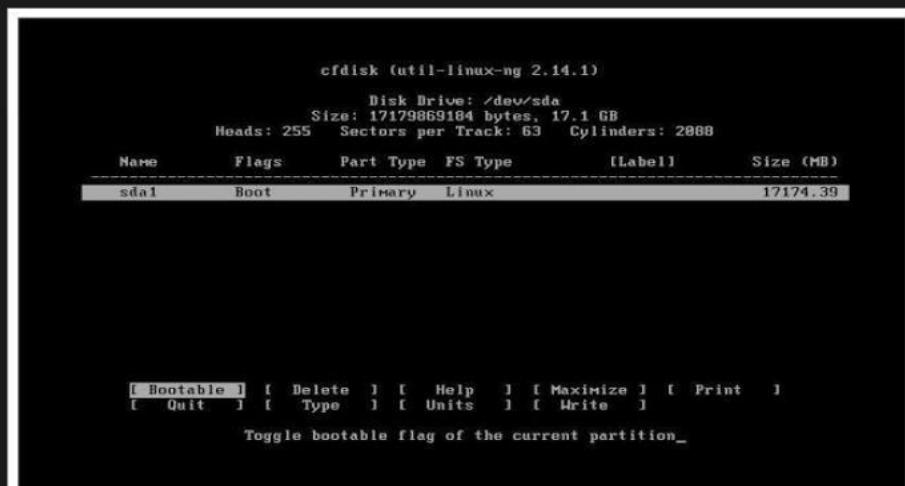


5.Click Enter again while Bootable is highlighted to make it bootable.



6.Use left/right keys to highlight Write, then click Enter. You may get a confirmation message type yes and hit Enter key.

7.Use left/right keys to highlight Quit, then click Enter to continue.



Step 3 – Now install Bliss OS

Choose the partition where you need to install Bliss OS, click Enter.

Practical-7 Python code using PEP8

PEP 8 is a document that provides guidelines and best practices on how to Write Python code. It was written in 2001 by Guido van Rossum, Barry Warsaw, and Nick Coghlan. The primary focus of PEP 8 is to improve the Readability and consistency of Python code. PEP stands for Python Enhancement Proposal, and there are several of them. A PEP is a document. That describes new features proposed for Python and documents aspects of Python, like design and style, for the community.

#The following program is written following the PEP8 rules:

```
1 """ This is the third test """
2 import string
3 SHIFT = 3
4 CHOICE = input("would you like to encode or decode?")
5 WORD = input("Please enter text")
6 LETTERS = string.ascii_letters + string.punctuation + string.digits
7 ENCODED = ''
8 if CHOICE == "encode":
9     for letter in WORD:
10         if letter == ' ':
11             ENCODED = ENCODED + ' '
12         else:
13             x = (LETTERS.index(letter) +
14                 SHIFT)
15             ENCODED = ENCODED + LETTERS[x]
16 if CHOICE == "decode":
17     for letter in WORD:
18         if letter == ' ':
19             ENCODED = ENCODED + ' '
20         else:
21             x = LETTERS.index(letter) - SHIFT
22             ENCODED = ENCODED + LETTERS[x]
23
24 print(ENCODED)
```

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Practical - 8: Importance of The Multidisciplinary Nature of Environmental Studies

Multidisciplinary Nature of Environmental Studies:

Because, the environment is complex and actually made up of many different environments, including natural,

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constructed and cultural environments, environmental studies is the inter disciplinary examination of how biology, geology, politics policy studies, law, geology, religion engineering, chemistry and economics combine

to inform the consideration of humanity's effects on the natural world. This subject educates the students to appreciate the complexity of environmental issues and citizens and experts in many fields. By studying

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environmental science, students may develop a breadth of the interdisciplinary and methodological knowledge in the environmental fields that enables them to facilitate the definition and solution of environmental problems.

Importance and Multidisciplinary Nature of Environmental Studies! Environment belongs to all the living beings and thus is, important for all. Each and every body of whatever occupation he or she may have

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is affected by environmental issues like global warming, depletion of ozone layer, dwindling forest, energy resources, loss of global biodiversity etc.. Environment study deals with the analysis of the processes in water, air, land, soil and organisms which leads to pollute or degrade environment. It helps us for establishing standard, for safe, clean and healthy natural ecosystem.

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It also deals with important issues like safe and clean drinking water, hygienic living conditions and clean and fresh air, fertility of land, healthy food and development.

PRACTICAL-9 :Importance of going paperless. •

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Manually organizing and keeping track of papers is time-consuming; a cluttered, messy stack of loose documents makes it take that much longer, especially if

you're trying to find something specific. Disorganization can seriously hamper how much you can get done; the average person spends about 10 minutes per day looking for lost items. That means that about six months of your life is spent looking for missing items. • A paperless

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approach offers a much higher level of security for your and your customers' sensitive data. Numerous safeguards, encryption, and banking-level security measure work together to protect your documents. In a paper-based office, everyone has access to all the information. • Reducing your reliance on paper allows you to create a more sustainable business. Even with recycling, the amount of paper used in U.S. offices grows 20% a year. The average employee uses an

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astounding 10,000 sheets of copy paper per year. Your company can contribute to the well-being of the environment by cutting down on the amount of paper you use. • Working in a fast-paced environment is exciting; it can also be very stressful. You can reduce some of the stress by going paperless. The decreased clutter, seamless access to data and other assets,

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increased security, and reduced busywork all make for a more peaceful workspace. • A paperless system allows you to access your information from anywhere at any time. Whether you're in discussion with your employee at the office or traveling out of town, cloud-based storage means that you maintain access to your necessary information. It also improves customer experience when you can answer questions by quickly

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accessing necessary information. • Efficiency is at the heart of any successful business. When you minimize time required to be spent on busywork, your team can repurpose that time to focus on critical, value-add tasks. Going paperless means less time spent on clerical work and more time doing what matters.

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Practical-10 Define the terms renewable resource and nonrenewable and give examples of each resource type that are related to forage production.

One environmental issue that has been of prominent concern in the 20th century has been the growth in

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human population. The chart below, from the population reference bureau, illustrates the dramatic growth in human population beginning around the year 1750. As human population has grown the demand for resources of all kinds has also grown. Supporting more people means producing more food, which in turn requires greater amounts of energy, soil nutrients, water, and other resources associated with agricultural production

There are many types of resources that go into producing food and producing forages. In general these resources

have been grouped into two types: renewable resources and nonrenewable resources. Renewable resources may be defined as resources that have the potential to be replaced over time by natural processes. The renewal process may be relatively quick, as with sunshine which comes on a daily basis. Or, the renewal process may be

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very slow, as in the formation of soil which may take hundreds of years. Non-renewable resources may be defined as resources whose stock or reserves is limited or fixed. The available supply of non-renewable resources may be replenished through recycling (e. g. recycling aluminium cans), but the overall supply remains relatively constant. The table below gives several examples of each type of resource.