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: Mr./Ms. VIVEK KIRAN PUROHIT

Roll No: 68 **Programme**: BSc IT/CS **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/CS during the academic year 2020-2021.

The journal work is the original study work that has been duly approved in the year 2020-2021 by the undersigned.

External Examiner **Subject-In-Charge (Ms.Sweety Garg)**

Date of Examination: (College Stamp)

Name : Vivek Kiran Purohit **Roll No: 68**

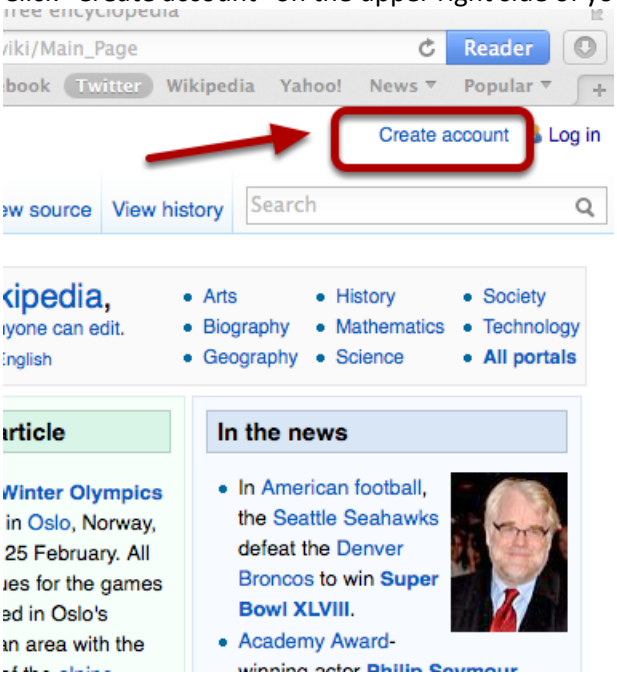
Sr. No.	DATE	TITLE	SIGN
1.		INTRODUCTION and CONTRIBUTING TO WIKIPEDIA a) What is Wikipedia? b) Steps to Create Account on Wikipedia c) Creating Page on Wikipedia d) Edit your page	
2.		Creating account, repository on GitHub and Cloning repository in GitHub Page	
3.		BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE a) Describe Open-Source Software with Example. b) Describe Free Software with Example c) Difference between Free and Open-Source Software.	
4.		WRITING EMAIL	
5.		Using practical examples, describe green computing. List and explain the steps that you take to contribute to green computing	
6.		WRITING BLOGS	
7.		Implementing coding practices in Python using PEP8.	
8.		PRESENTATION: _____	

How to create an account on Wikipedia?

These are the following instructions

Go to www.wikipedia.org and choose "English"

Click "Create account" on the upper right side of your browser



Enter your account information and the captcha, and click "Create Account"

Log in to your email and confirm your registration by clicking the link in the email.

MediaWiki Mail January 15, 2014 12:44 PM
To: Castechtraining
Wikipedia email address confirmation Inbox - Exchange

Hello Castechtraining,

Welcome to Wikipedia! You've joined the English-language version of the free encyclopedia that anyone can edit.

To confirm your email address, please open this URL in your browser:

http://en.wikipedia.org/wiki/Special:ConfirmEmail/550ba3a47df074a4b5711ab7397dfd34

This link expires at 17:43, 22 January 2014 (UTC).

Confirming your email address will allow you to:
* reset your password via email
* exchange emails with other Wikipedia editors
* receive notifications about activity on Wikipedia relevant to you, such as when someone leaves you a message

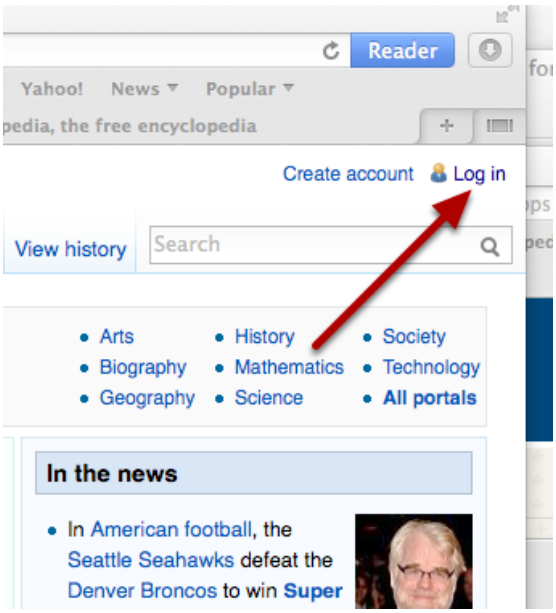
If you wish to be able to recover your account but don't want to receive other email, visit your preferences at: http://en.wikipedia.org/wiki/Special:Preferences

Thanks, and once again, welcome!

This email is generated automatically, and does not accept replies. If you didn't register an account on Wikipedia, feel free to disregard this message or click this link:

http://en.wikipedia.org/wiki/Special:InvalidateEmail/550ba3a47df074a4b5711ab7397dfd34

To log in in the future, return to the main page and click "Log in" in the upper right corner of your browser

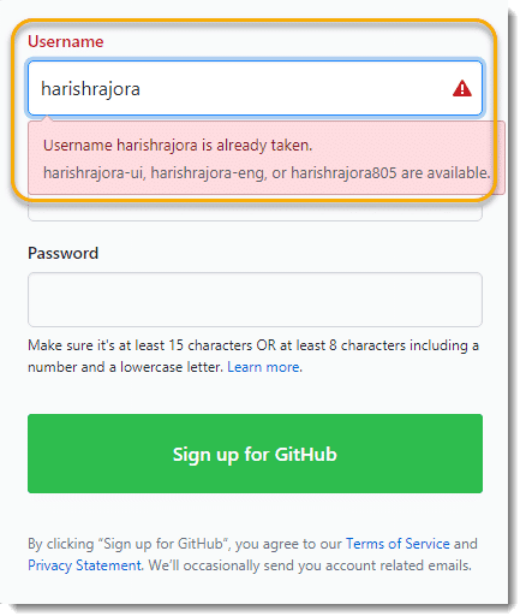


GitHub is a web-based centralized system for repositories. It used by millions of people to work on millions of projects. Although it is not a direct part of the Git project, it is very rare that one might escape it. Not only hosting the repositories but many other functions such as issue tracking, code review, etc. can be done on GitHub with GitHub Account.

Setting Up GitHub Account

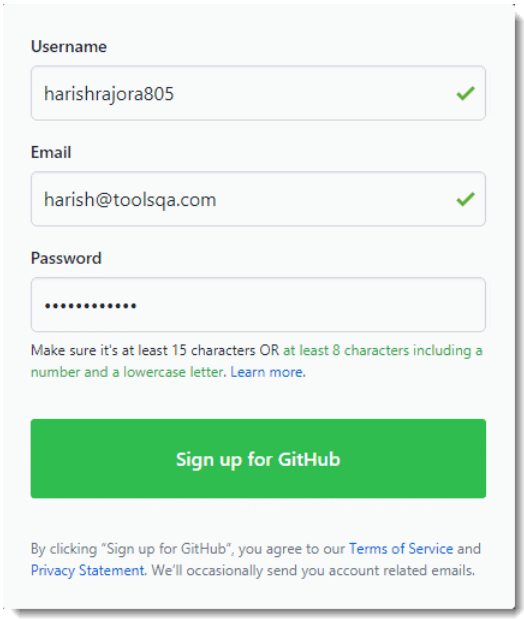
Setting your GitHub account is easy and very simple. To set the account visit GitHub's official website.

The login form will appear on the same page. Fill out the form with your details to create an account on GitHub.

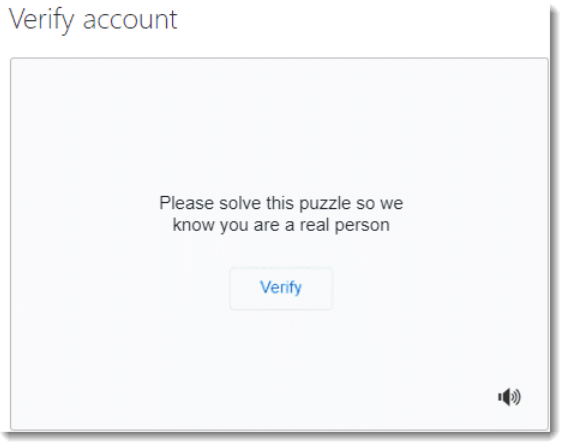


In GitHub, you will be known by your username. So, it has to be unique. This error can also be seen in the below screenshot. Here, the username harishrajora is already taken by someone else so GitHub is raising the error and suggesting some unique usernames.

Avoid those duplicate entries and fill the form with your details. The green tick will symbolize correct and unique entries

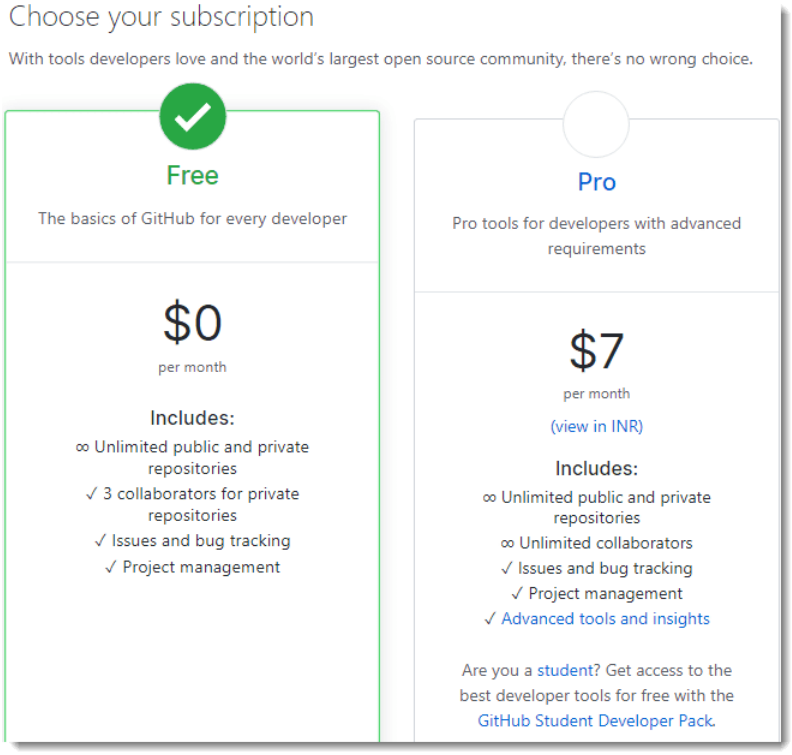


Once you press Sign up for GitHub button, you will be prompted to verify that you are not a robot.

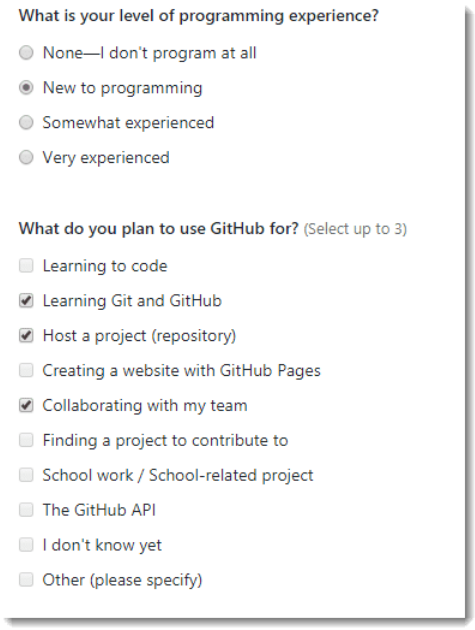


Choosing a GitHub Account Plan

Once you have verified your identity, you can choose the GitHub plan you want to subscribe for.



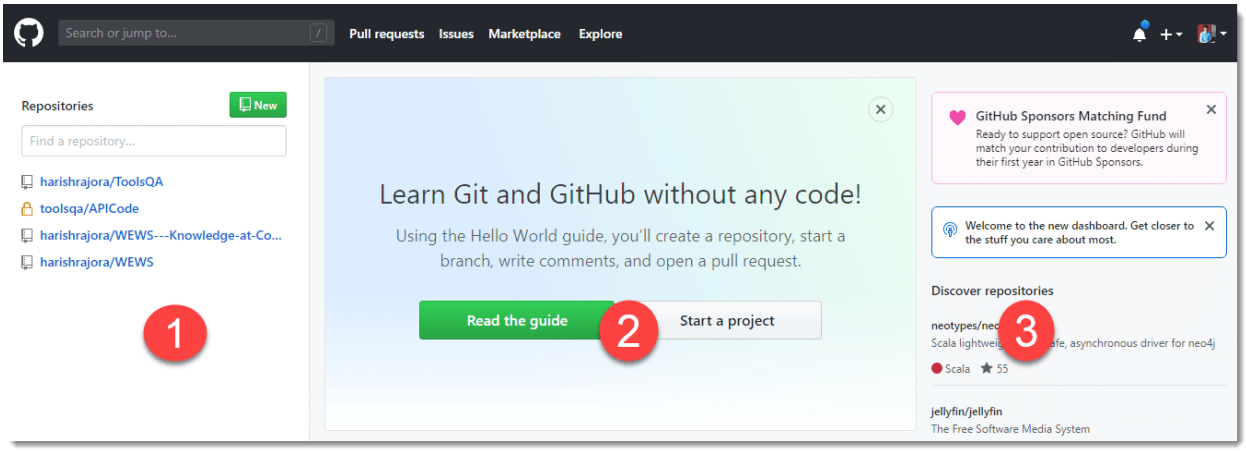
Tailoring your experience is a survey that GitHub takes while you create your account. It will be the next step in the process.



GitHub Account Dashboard

Now that GitHub account is all set up, you can log in through your credentials on the GitHub's website. Logging in will land on the GitHub dashboard which is personalized for everyone according to interests.

A GitHub dashboard will contain three sections.


Search or jump to...
Pull requests
Issues
Marketplace
Explore
Repositories
New
Find a repository...
harishrajora/ToolsQA
toolsqa/APICode
harishrajora/WEWS---Knowledge-at-Co...
harishrajora/WEWS
1
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
2
Start a project
GitHub Sponsors Matching Fund
Ready to support open source? GitHub will match your contribution to developers during their first year in GitHub Sponsors.
Welcome to the new dashboard. Get closer to the stuff you care about most.
Discover repositories
3
Scala
55
jellyfin/jellyfin
The Free Software Media System

Name: VIVEK PUROHIT

Roll no: 68 **FYIT**

PRACTICAL 3:-

BASIC UNDERSTANDING ON FREE AND OPEN-SOURCE SOFTWARE

1. Describe Open Source Software with Example.

→ 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: They can fix bugs, improve functions, or adapt the software to suit their own needs

While its lack of cost is a key advantage, OSS has several additional benefits:

- Its quality can be easily and greatly improved when its source code is passed around, tested, and fixed.
- It offers a valuable learning opportunity for programmers. They can apply skills to the most popular programs available today.
- It can be more secure than proprietary software because bugs are identified and fixed quickly.
- 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.

Open-source technologies helped establish much of the internet. Furthermore, many of the programs in use every day are based on open-source technologies. Cases in point: Android OS and Apple's OS X are based on the kernel and Unix/BSD open-source technologies, respectively.

Other popular open-source software is:

- Mozilla's Firefox web browser
- Thunderbird email client
- PHP scripting language
- Python programming language
- Apache HTTP web server

2. Describe Free Software with Example

→ Free software is software that can be freely used, modified, and redistributed with only one restriction: any redistributed version of the software must be distributed with the original terms of free use, modification, and distribution (known as copyleft). The definition of free software is stipulated as part of the GNU Project and by the Free Software Foundation. Free software may be packaged and distributed for a fee; the "free" refers to the ability to reuse it, modified or unmodified, as part of another software package. As part of the ability to modify, users of free software may also have access to and study the source code.

Free software is easily confused with freeware, term describing software that can be freely downloaded and used but which may contain restrictions for modification and reuse.

Best Free software at a glance:

1. LibreOffice
2. VLC Media Player
3. GIMP
4. Shortcut
5. Brave
6. Audacity
7. KeePass
8. Thunderbird
9. FileZilla
10. Linux

3. Difference between Free and Open Source Software.

➔ **Free Software:**

"Free software" means software that respects users' freedom and community. Roughly, it means that the users have the freedom to run, copy, distribute, study, change and improve the software.

The term "free software" is sometimes misunderstood—it has nothing to do with price. It is about freedom.

Open Source Software :

Open Source Software is something which you can modify as per your needs, share with others without any licensing violation burden. When we say Open Source, source code of software is available publicly with Open Source licenses like GNU (GPL) which allows you to edit source code and distribute it. Read these licenses and you will realize that these licenses are created to help us.

- Coined by the development environments around software produced by open collaboration of software developers on the internet.
- Later specified by the Open Source Initiative (OSI).
- It does not explicitly state ethical values, besides those directly associated to software development.

S.No.	Free Software:	Open Source Software :
1.	Software is an important part of people's lives.	Software is just software. There are no ethics associated directly to it.
2.	Software freedom translates to social freedom.	Ethics are to be associated to the people not to the software.
3.	Freedom is a value that is more important than any economic advantage.	Freedom is not an absolute concept. Freedom should be allowed, not imposed.

S.No.	Free Software:	Open Source Software :
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 Send mail transport agent.	Examples: Prime examples of open-source products are the Apache HTTP Server, the e-commerce platform ecommerce, 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.

Practical 4: Writing Email

Vivek purohit

FYIT

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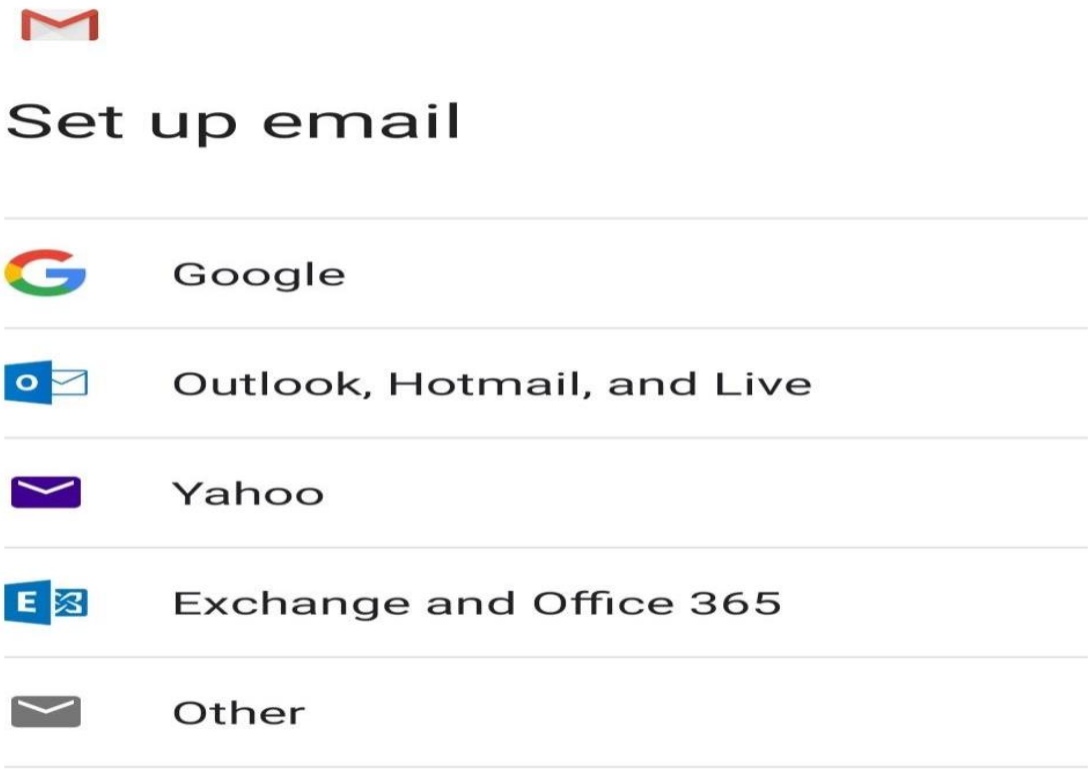
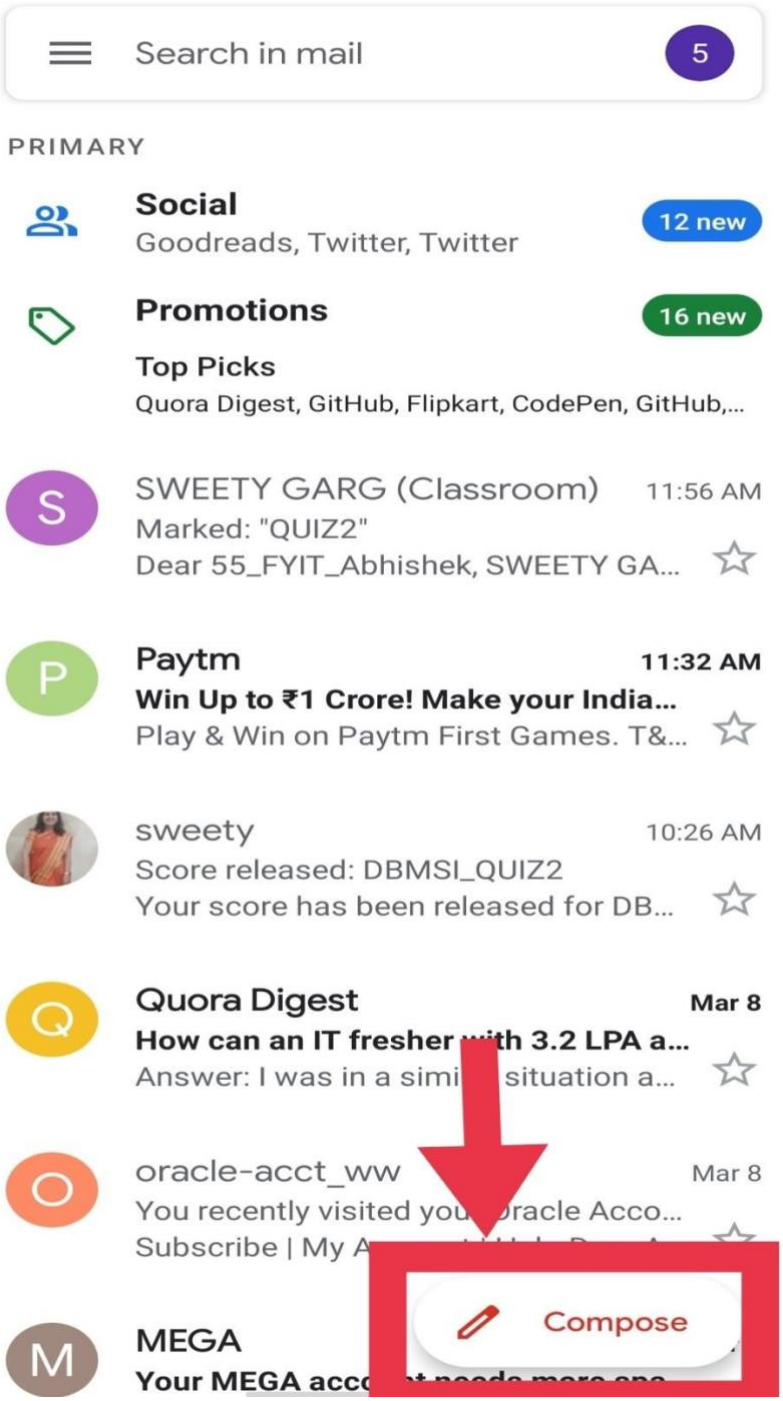
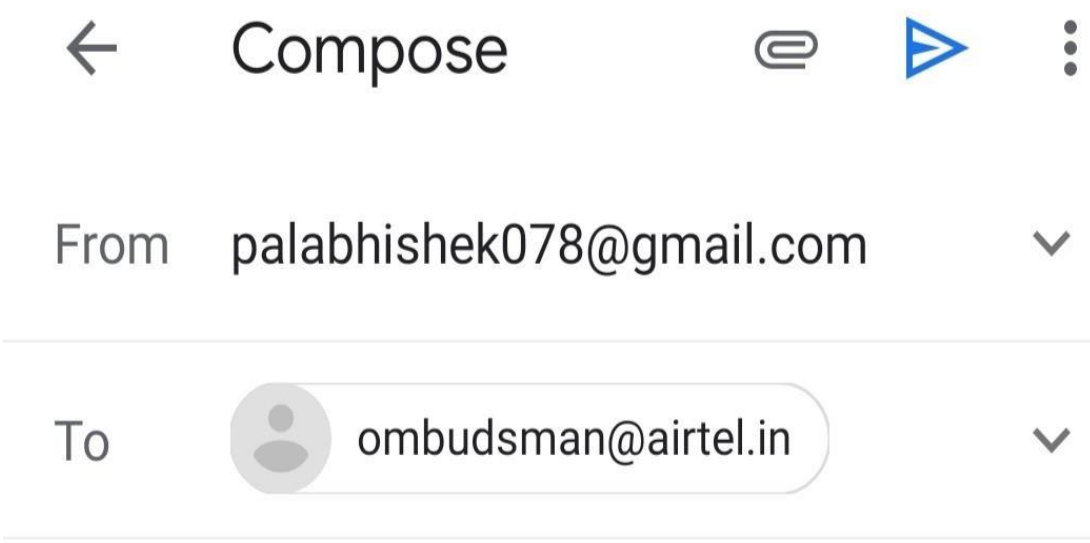
1. Set up and email address. If you do not have an email address you will need to sign up with an email provider before proceeding



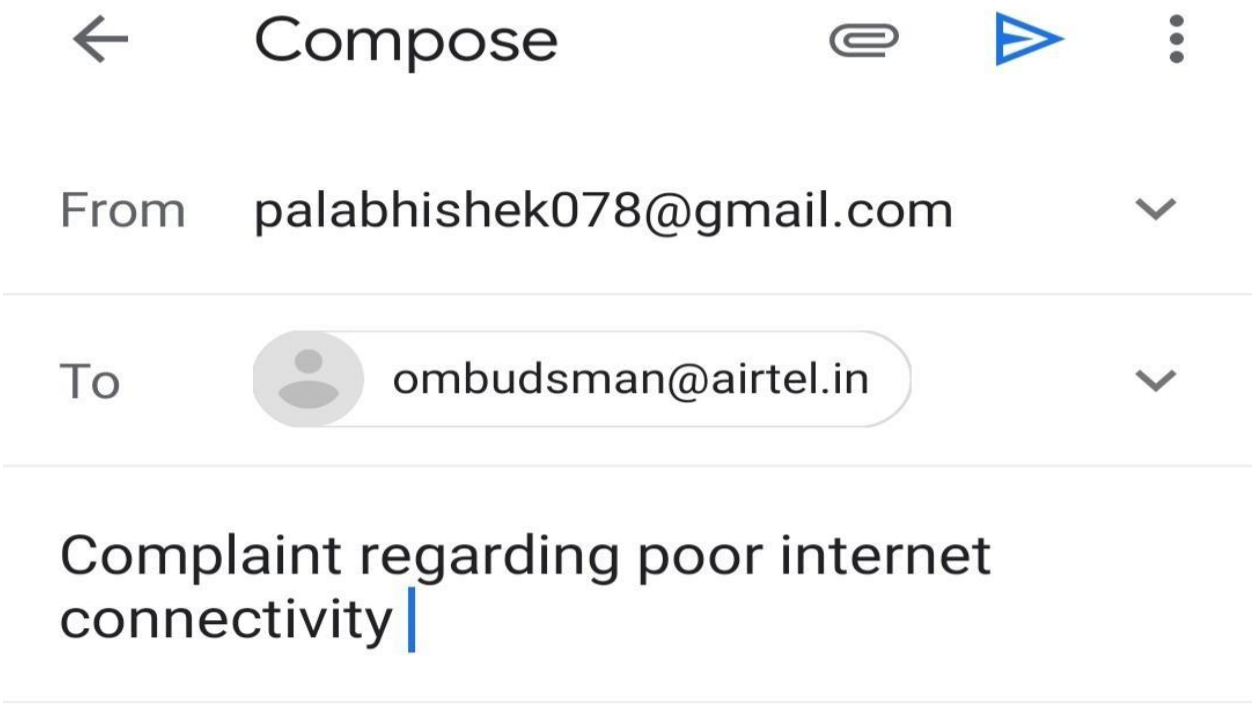
2. Click on “compose” or “new”. Before you can write an email, you will need to open a new, blank message box to write your email.



3. List the recipients email address. You do not need to list your own email address, but you do need to specify the email address of the person or people u intend to send the email to



4. Include an informative subject. Every email service will let you type a subject or title for your email in the “subject” box.



5. Write the body of your email. The body of your email should be written in the large text box

Respected sir

With due respect I am writing this email to inform you that my internet connectivity is very poor and I am not able to attend my lectures from past 4-5 days. I am facing trouble as my exams are near and my most of the work is done via online mode and for that I need a proper internet connection.

I hope you'll look into this matter and do the needful at the earliest to fix the internet connectivity problem as soon as possible.

below the subject line

6. Hit The “send” button. After you finish typing your email review It to verify that there are no spelling or grammar mistakes and that the issue clearly addresses the matter you wanted to bring up

Compose

From palabhishek078@gmail.com

To ombudsman@airtel.in

Complaint regarding poor internet connectivity

Respected sir

With due respect I am writing this email to inform you that my internet connectivity is very poor and I am not able to attend my lectures from past 4-5 days. I am facing trouble as my exams are near and my most of the work is done via online mode and for that I need a proper internet connection.

I hope you'll look into this matter and do the needful at the earliest to fix the internet connectivity problem as soon as possible.