



# Free/Libre and Open Source Software What, Why and How?

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# What is FOSS?

- 0: The freedom to **run** the program for any purpose.
- 1: The freedom to **study** how the program works, and change it to make it do what you wish.
- 2: The freedom to **redistribute** copies so you can help your neighbour
- 3: The freedom to **improve** the program, and release your improvements (and modified versions in general) to the public, so that the whole community benefit

# Why use FOSS?

- Security
- Privacy
- Flexibility
- Quality
- Decreased Cost
- Try Before You Buy

# Why contribute?

- Learning
- Fixing problems
- Show off
- Money
- Giving back to community

# Benefits for students

- Learn
- Work with best minds in field
- Standard coding practices
- Learn to Collaborate
- Real world problem solving
- Resume
- Communication

# Tools and Processes

- Software life cycle
- Operating system life cycle

# How to contribute?

- Forums
- Translation
- Documentation
- Advocacy
- Coding, testing and bug reporting.
- Maintain software
- Managing infrastructure

# Next Steps

- Install and Play with Linux
- Learn different projects/languages/skills  
<https://dgplug.org/>  
<https://devcluster.community/>
- Publish your College project in Public with FOSS licence  
<http://www.shakthimaan.com>  
<https://up-for-grabs.net/>
- Contribute  
<https://opensource.guide/how-to-contribute/>