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## Feedback - Free Software Development 2024

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## Results

### Survey 165481

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Number of records in this query:	20
Total records in survey:	20
Percentage of total:	100.00%

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## Summary for G00Q00

Please, confirm that you agree to take part in this survey.

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Answer	Count	Percentage
Yes (Y)	20	100.00%
No (N)	0	0.00%
No answer	0	0.00%

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## Summary for G01Q01

What is your main occupation today?

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Answer	Count	Percentage
Undergraduate student (AO01)	15	75.00%
Graduate student (AO02)	1	5.00%
Entrepreneur (AO03)	0	0.00%
Freelancer developer (AO04)	0	0.00%
Developer in a small company (AO05)	2	10.00%
Developer in a medium/large company (AO06)	2	10.00%
Civil servant (AO07)	0	0.00%
Professor (AO08)	0	0.00%
Unemployed (AO09)	0	0.00%
Other	0	0.00%
No answer	0	0.00%

ID	Response
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## Summary for G01Q02

Are you a undergraduate or graduate student?

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Answer	Count	Percentage
Undergraduate student (AO01)	14	70.00%
Graduate student (AO02)	4	20.00%
No answer	2	10.00%

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## Summary for G01Q03

What year of the graduation are you in?

Answer	Count	Percentage
First year (AO01)	0	0.00%
Second year (AO02)	0	0.00%
Third year (AO03)	6	42.86%
Fourth year (AO04)	5	35.71%
Other	3	21.43%
No answer	0	0.00%

ID	Response
29	5th
32	Fifth year
37	Fifth year

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## Summary for G01Q04

What is your original graduation?

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Answer	Count	Percentage
Bachelor in Computer Science (AO01)	2	50.00%
Bachelor in Computer Engineering (AO02)	0	0.00%
Other	2	50.00%
No answer	0	0.00%

ID	Response
26	Bachelor in Molecular Sciences
46	Business Management

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## Summary for G02Q01

Have you had formal training in programming before (university/courses)?

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Answer	Count	Percentage
Yes (AO01)	0	0.00%
No (AO02)	0	0.00%
No answer	0	0.00%



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## Summary for G02Q02(SQ001)[Not professionally]

How many years of experience do you have with programming?

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Answer	Count	Percentage
Less than 1 (AO01)	1	5.00%
1 to 2 (AO02)	1	5.00%
2 to 3 (AO03)	3	15.00%
3 to 4 (AO04)	5	25.00%
More than 4 (AO05)	8	40.00%
No answer	2	10.00%

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## Summary for G02Q02(SQ002)[Professionally]

How many years of experience do you have with programming?

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Answer	Count	Percentage
Less than 1 (AO01)	8	40.00%
1 to 2 (AO02)	2	10.00%
2 to 3 (AO03)	0	0.00%
3 to 4 (AO04)	2	10.00%
More than 4 (AO05)	3	15.00%
No answer	5	25.00%

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## Summary for G02Q03

What are the programming languages that you have the most experience with?

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Answer	Count	Percentage
Answer	17	85.00%
No answer	3	15.00%

ID	Response
19	Go, Python, JavaScript, Rust
26	Python, JavaScript, C
27	Python, C++, bash, C, Javascript
28	c++, c, python, bash, kotlin
30	C++, Rust, Python, JS
31	C, C++, Bash, Python, Kotlin
32	Python, Rust, C++
34	Java, Kotlin, Js
35	Python, Java, bash, C
36	Python, Typescript, C++
37	Javascript, C#, Java, Python, C++
40	C, Python, Bashscript, Javascript, Assembly
42	Python, C and java
43	C++, C, Javascript, python
44	Python, Java, R
46	Python
48	C, python, javascript, C++

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## Summary for G02Q04(SQ001)[Using Git to version projects locally]

How would you rate your previous experiences (before this course) with Git?

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Answer	Count	Percentage
Zero experienced (AO01)	2	10.00%
Somewhat Experienced (AO03)	10	50.00%
Very Experienced (AO04)	7	35.00%
No answer	1	5.00%

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## Summary for G02Q04(SQ002)[Collaborating to projects with Git and email]

How would you rate your previous experiences (before this course) with Git?

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Answer	Count	Percentage
Zero experienced (AO01)	16	80.00%
Somewhat Experienced (AO03)	2	10.00%
Very Experienced (AO04)	1	5.00%
No answer	1	5.00%

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## Summary for G02Q04(SQ003)[Collaborating to projects with Git and web-based platforms (GitHub, GitLab, BitBucket...)]

How would you rate your previous experiences (before this course) with Git?

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Answer	Count	Percentage
Zero experienced (AO01)	5	25.00%
Somewhat Experienced (AO03)	11	55.00%
Very Experienced (AO04)	3	15.00%
No answer	1	5.00%

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## Summary for G02Q04(SQ004)[Understanding workflows that use Pull Request / Merge Request]

How would you rate your previous experiences (before this course) with Git?

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Answer	Count	Percentage
Zero experienced (AO01)	8	40.00%
Somewhat Experienced (AO03)	7	35.00%
Very Experienced (AO04)	4	20.00%
No answer	1	5.00%

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## Summary for G03Q01

Were you familiar with the concept of free software before the course?

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Answer	Count	Percentage
Yes (Y)	14	70.00%
No (N)	6	30.00%
No answer	0	0.00%



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## Summary for G03Q02

Have you contributed to free software projects in the past?

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Answer	Count	Percentage
Yes (Y)	5	25.00%
No (N)	15	75.00%
No answer	0	0.00%

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## Summary for G03Q03

Which free software licenses did you have knowledge of before the course?

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Answer	Count	Percentage
Apache (SQ001)	7	35.00%
BSD (SQ002)	2	10.00%
GPL (SQ003)	10	50.00%
MIT (SQ004)	13	65.00%
CC (SQ005)	3	15.00%
Other	1	5.00%

ID	Response
28	No answer

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## Summary for G04Q01(SQ001)[Did you have previous experience with Linux as a user?]

For the questions below, answer regarding your experience with the Linux Kernel before the course.

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Answer	Count	Percentage
No (AO01)	3	16.67%
Yes, less than 1 year (AO02)	1	5.56%
Yes, between 1 and 2 years (AO03)	3	16.67%
Yes, between 2 and 5 years (AO04)	7	38.89%
Yes, more than 5 years (AO05)	4	22.22%
Don't know / Not sure (AO06)	0	0.00%
No answer	0	0.00%

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## Summary for G04Q01(SQ002)[Did you have any previous experience with Linux as a developer?]

For the questions below, answer regarding your experience with the Linux Kernel before the course.

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Answer	Count	Percentage
No (AO01)	13	72.22%
Yes, less than 1 year (AO02)	1	5.56%
Yes, between 1 and 2 years (AO03)	1	5.56%
Yes, between 2 and 5 years (AO04)	2	11.11%
Yes, more than 5 years (AO05)	1	5.56%
Don't know / Not sure (AO06)	0	0.00%
No answer	0	0.00%

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## Summary for G04Q02(A1)[Do you believe your contributions to Linux made through the course benefited the project?]

For the questions below, answer regarding your experience with the Linux Kernel after the course.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	5	27.78%
Agree (A5)	9	50.00%
Strongly Agree (A6)	2	11.11%
Don't know / Not sure (A7)	1	5.56%
No answer	1	5.56%

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## Summary for G04Q02(A2)[Has your experience in the course made you more likely to use Linux?]

For the questions below, answer regarding your experience with the Linux Kernel after the course.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	3	16.67%
Agree (A5)	4	22.22%
Strongly Agree (A6)	11	61.11%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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## Summary for G04Q02(A3)[Has your experience in the course made you more likely to contribute to Linux?]

For the questions below, answer regarding your experience with the Linux Kernel after the course.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	1	5.56%
Indiferent (A4)	4	22.22%
Agree (A5)	9	50.00%
Strongly Agree (A6)	4	22.22%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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Summary for G04Q02(A4)[Do you consider contributing to Linux in the future (either as a volunteer or as a professional)?]

For the questions below, answer regarding your experience with the Linux Kernel after the course.

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Answer	Count	Percentage
Strongly Disagree (A2)	1	5.56%
Disagree (A3)	5	27.78%
Indiferent (A4)	3	16.67%
Agree (A5)	6	33.33%
Strongly Agree (A6)	2	11.11%
Don't know / Not sure (A7)	1	5.56%
No answer	0	0.00%



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## Summary for G04Q04(A5)[Were the instructions given in class adequate for completing the tasks?]

For the questions below, answer regarding the materials and support provided for the activities.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	1	5.56%
Indiferent (A4)	0	0.00%
Agree (A5)	8	44.44%
Strongly Agree (A6)	9	50.00%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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## Summary for G04Q04(A2)[Were the provided tutorials adequate for completing the tasks?]

For the questions below, answer regarding the materials and support provided for the activities.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	3	16.67%
Indiferent (A4)	0	0.00%
Agree (A5)	11	61.11%
Strongly Agree (A6)	4	22.22%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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## Summary for G04Q04(A3)[Was the guidance by the class monitors helpful in completing the tasks?]

For the questions below, answer regarding the materials and support provided for the activities.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indifferent (A4)	0	0.00%
Agree (A5)	2	11.11%
Strongly Agree (A6)	16	88.89%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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## Summary for G04Q04(A4)[Was the guidance by the class monitors critical in completing the tasks?]

For the questions below, answer regarding the materials and support provided for the activities.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	0	0.00%
Agree (A5)	3	16.67%
Strongly Agree (A6)	14	77.78%
Don't know / Not sure (A7)	1	5.56%
No answer	0	0.00%

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## Summary for G04Q03(A1)[Did you enhance your abilities in Git by contributing to the projects?]

For the questions below, rate your experiences with the activities in class.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	0	0.00%
Agree (A5)	5	27.78%
Strongly Agree (A6)	13	72.22%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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Summary for G04Q03(A2)[Would you consider using your experience in contributing to a free software project as something to leverage in a job interview?]

For the questions below, rate your experiences with the activities in class.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	2	11.11%
Agree (A5)	9	50.00%
Strongly Agree (A6)	6	33.33%
Don't know / Not sure (A7)	1	5.56%
No answer	0	0.00%

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Summary for G04Q03(A3)[Do you think the overall reviews from the project maintainers helped you grow as a developer?]

For the questions below, rate your experiences with the activities in class.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	1	5.56%
Agree (A5)	7	38.89%
Strongly Agree (A6)	10	55.56%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%

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Summary for G04Q03(A4)[Do you think writing the blog posts were a good way to provide an experience report ?]

For the questions below, rate your experiences with the activities in class.

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Answer	Count	Percentage
Strongly Disagree (A2)	0	0.00%
Disagree (A3)	0	0.00%
Indiferent (A4)	2	11.11%
Agree (A5)	8	44.44%
Strongly Agree (A6)	8	44.44%
Don't know / Not sure (A7)	0	0.00%
No answer	0	0.00%



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## Summary for G04Q06

What project you chose to contribute to in the second phase of the discipline?

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Answer	Count	Percentage
Linux Kernel (AO01)	2	11.11%
kworkflow (AO02)	10	55.56%
Other	6	33.33%
No answer	0	0.00%

ID	Response
30	nushell/nu_scripts
31	GNOME Calendar
35	Braindecode
43	Nuscripts
44	MOABB
48	Gnome-Calendar

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## Summary for G04Q05

Did you reach for external assistance (persons or tools) or extra material to solve the challenges presented in class?

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Answer	Count	Percentage
Yes (AO01)	14	77.78%
No (AO02)	3	16.67%
Comments	12	66.67%
No answer	1	5.56%

ID	Response
19	Docs, Blogs, video Talks
26	I spoke with the original author of the driver I was contributing to
28	I searched sites like stack overflow to try to find solutions to the errors, as well as the help of the monitor and the teacher
29	Forums and other resources
31	We have used a lot of online documentations and forum posts in order to try to solve the issues we faced.
32	Some bash snippets were created with chat gpt's help. Example: how to check if a file exists in bash or how to iterate through array in bash.
33	Forums to help me solving issues I had that were too specific to the point both class monitors and provided tutorials couldn't help.
35	I've searched for good practices for contributing with code in the communities I was engaged.
37	Github Copilot
42	only the class monitors
46	Chat GPT
48	We used the documentation of the projects we were working on and often contacted the maintainers and the community of the projects we worked on through their communication channels.

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## Summary for G04Q07

What drove you to select your project in the second phase of the course?

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Answer	Count	Percentage
Availability of maintainers (SQ001)	13	72.22%
Responsiveness of maintainers (SQ002)	8	44.44%
Overall support from the community (SQ003)	8	44.44%
Contribution process (the "sending/reviewing part") difficulty level perceived to be lower than other projects (SQ004)	7	38.89%
Task development (the "implementation part") difficulty level perceived to be lower than other projects (SQ005)	6	33.33%
Contribution process (the "sending/reviewing part") difficulty level perceived to be higher than other projects (SQ006)	0	0.00%
Task development (the "implementation part") difficulty level perceived to be higher than other projects (SQ007)	0	0.00%
Overall affinity with the project (SQ008)	12	66.67%
Other	1	5.56%

ID	Response
48	The fact that we use the software daily and also have familiarity with the language it uses (C)

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## Summary for G04Q08

Considering that the feedback from maintainers on a sent contribution isn't immediate and can take days or even weeks (the same may happen for subsequent review cycles), do you think this latency discourages contributors?

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Answer	Count	Percentage
Strongly disagree (AO01)	2	11.11%
Disagree (AO02)	4	22.22%
Indifferent (AO03)	3	16.67%
Agree (AO04)	6	33.33%
Strongly agree (AO05)	2	11.11%
Don't know / Not sure (AO06)	0	0.00%
No answer	1	5.56%

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## Summary for G04Q09

What was the average time for responses from the maintainers to sent contributions (subsequent review cycles)?

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Answer	Count	Percentage
Less than 1 day (AO01)	1	5.56%
Between 1 to 3 days (AO04)	3	16.67%
Between 3 days to 1 week (AO02)	10	55.56%
Between 1 week to 2 weeks (AO03)	3	16.67%
More than 2 weeks (AO05)	0	0.00%
Other	0	0.00%
No answer	1	5.56%

ID	Response
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## Summary for G04Q10(SQ001)[Do you feel more comfortable contributing to any free software project?]

For the questions below, answer regarding future contributions to free software projects.

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Answer	Count	Percentage
Strongly Disagree (AO01)	0	0.00%
Disagree (AO02)	0	0.00%
Indifferent (AO03)	1	5.56%
Agree (AO04)	6	33.33%
Strongly Agree (AO05)	9	50.00%
Don't know / Not sure (AO06)	0	0.00%
No answer	2	11.11%

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## Summary for G04Q10(SQ002)[Do you feel more comfortable contributing to free software projects that use email?]

For the questions below, answer regarding future contributions to free software projects.

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Answer	Count	Percentage
Strongly Disagree (AO01)	2	11.11%
Disagree (AO02)	4	22.22%
Indifferent (AO03)	3	16.67%
Agree (AO04)	4	22.22%
Strongly Agree (AO05)	3	16.67%
Don't know / Not sure (AO06)	0	0.00%
No answer	2	11.11%

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Summary for G04Q10(SQ003)[Do you feel more comfortable contributing to free software projects that use web-based platforms (GitHub, Gitlab, Bitbucket...)?]

For the questions below, answer regarding future contributions to free software projects.

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Answer	Count	Percentage
Strongly Disagree (AO01)	0	0.00%
Disagree (AO02)	0	0.00%
Indifferent (AO03)	1	5.56%
Agree (AO04)	3	16.67%
Strongly Agree (AO05)	12	66.67%
Don't know / Not sure (AO06)	0	0.00%
No answer	2	11.11%



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## Summary for G04Q11

What skills (programming languages, tools, communication skills, etc.) were most important to you throughout the course?

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Answer	Count	Percentage
C programming language (SQ001)	7	38.89%
Shell scripting programming language (SQ002)	16	88.89%
Git (SQ003)	17	94.44%
Virtualization tools (QEMU, libvirt) (SQ004)	9	50.00%
Good English communication (SQ005)	10	55.56%
Conflict resolution (SQ006)	6	33.33%
Other	1	5.56%

ID	Response
35	Python

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## Summary for G04Q12

How would you define your English skill level?

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Answer	Count	Percentage
No proficiency (AO01)	0	0.00%
Basic (AO02)	1	5.56%
Intermediate (AO03)	1	5.56%
Advanced (AO04)	10	55.56%
Fluent (AO05)	6	33.33%
Other	0	0.00%
No answer	0	0.00%

ID	Response
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## Summary for G04Q13

Grade how much language barriers have made the contribution process difficult.

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Answer	Count	Percentage
No influence (AO01)	14	77.78%
Difficulted a little (AO02)	4	22.22%
Difficulted mildly (AO03)	0	0.00%
Difficulted a lot (AO04)	0	0.00%
Other	0	0.00%
No answer	0	0.00%

ID	Response
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## Summary for G04Q14

In your opinion, what were the biggest strengths in how this course was presented?

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Answer	Count	Percentage
Lesson plan (SQ001)	6	33.33%
Workshops (in-classroom activities) (SQ002)	16	88.89%
Class monitors support (SQ003)	17	94.44%
Lectures about the first phase projects (Linux Kernel, kworkflow, Debian) (SQ004)	4	22.22%
Flexibility to choose projects in the second phase (SQ005)	8	44.44%
Blogging activities (SQ006)	6	33.33%
Other	1	5.56%

ID	Response
31	Seminars presented by guests

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## Summary for G04Q15

In your opinion, what were the biggest problems in how this course was presented?

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Answer	Count	Percentage
Answer	7	38.89%
No answer	11	61.11%

ID	Response
19	The tutorials had unneeded complexity. A simpler flow would avoid errors.
26	I can't think of any straight-up problems or negatives with the course.
31	I think probably the amount of activities in the first phase, that lead to a smaller time in the second phase than we expected. But overall, this wasn't a really great problem.
32	I think one of the natural problems of this course is the difficulty of the tasks, mainly the kernel compilation, but also the Debian packaging. Even though this problem is inherent to the tasks, maybe it should have been clearer whether we were supposed to assign all our time to finish them or if it was OK to just let it go.
35	The need for more updated tutorials to help students in the parts in which they have less knowledge about it.
37	I believe that the variety of assignments, despite enriching, robbed some of the focus to more deep experiences
43	Some tutorials were very confusing and too difficult. I believe I wouldn't have been able to complete any of them without the help of my peers, the professor, and the teaching assistants

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## Summary for G05Q01

Thank you for completing our survey! Your input is invaluable to us. We invite you to share any additional feedback or suggestions you may have. Your thoughts may be beneficial in improving the course for subsequent iterations.

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Answer	Count	Percentage
Answer	4	22.22%
No answer	14	77.78%

ID	Response
26	I really enjoyed the course! The only thing that I'd suggest is encouraging the students to contribute to "sillier" projects too, as in the focus on only Linux Kernel tools and such made sense in the context of the course, but I think the students might've branched out into more diverse projects in the second phase if there was more incentive to contribute to projects that the students themselves might use in their day-to-day lives (I, for example, considered contributing to Path of Building, an open source and very popular (and complicated) tool for planning out character builds in a game I play, but decided not to because I already had another project and because I was worried it wouldn't "fit in" with what was expected). I think this kind of encouragement could be useful for students to view free software not as something alien and strictly professional, but as something they could interact with and contribute to for their own personal interests too.
31	It was a great experience! The lectures and specially the seminars were great, but I think the greatest learning came from the contributions. The practical experience added a lot.
32	The class was pretty exciting throughout the semester. The feedbacks are the following: <ul style="list-style-type: none"><li>- Maybe the kernel section could be shorter, since we used a lot of time just for completing the tutorials, and for most of the contributions it was not necessary to compile the kernel, since the code changes were very little.</li><li>- I think the kernel tutorials from flusp site could be refactored to deal with the most common errors students had during this class.</li><li>- I felt that the evaluation being about what the students blog-posted was very good in general.</li></ul>
48	This course was great! One of the best in the graduation so far!