**Gcov**

1. Login into the Linux server with your login Ids : login in linux

2. Create a new directory called code\_cov in your home directory <home>

mkdir code\_cov : created directory file by using command mkdir code\_cov

3. Go inside the directory you have created in (2) /<home>/code\_cov

cd code\_cov : use the command cd code\_cov

4. Copy the following files from the path as mentioned by the trainer:

a. sample.c

b. link.c

c. link.h

copied the files by using vi editor vi sample.c and paste the code

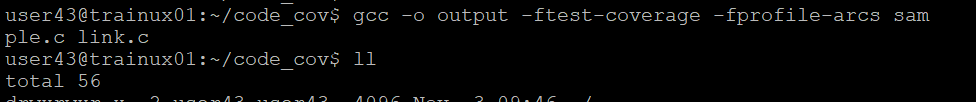
vi link.c and paste the code

vi link.h and paste the code

5. Take a look at the example programs sample.c and link.c

**Compilation**

6. Compile the files sample.c and sample1.c and put the output in the executable file called output

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**Execution**

7. Execute the file output

A close up of white text

Description automatically generated

8. Now run gcov for each source file one by one

gcov sample.c A screen shot of a computer

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A computer screen shot of a program code

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gcov link.c

A black screen with white text

Description automatically generated

9. Run output again, this time with command line arguments:

./output a a b b

A computer screen with white text

Description automatically generated

10. Now run gcov for sample.c again

What do you observe?

A screenshot of a computer

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