\*when we want add a file in github, first we need to save the file in our command prompt.

\*Then we need to add it to local drive using git add filename.

\*Then we need to commit to the changes and it wil save in local repository with reference repository.

\*Then we need to push it to global repository with git push origin main.

**Code Coverage Analysis using gcov:**

\*It is used to know how much code is being executed from all the code during execution.

\*code coverage tools like gcov, help us to know which lines of the code have been executed.

\*$gcc -f-profile-arcs -ftest<file1.c>

\*please note that “gcov notes” file get created after the above command.

\*”gcov notes” will be in binary format and to convert it into informational format use “gcov filename”

\*It is helpful for unit test case.

**Static Analysis using splint:**

\*It is used for uninitializeb variables which are wild pointers

Ex: int \*ptr;

Printf(“%d”,\*ptr);

\*Here \*ptr is not initialized to anything.so, it can crash the program or it can give garbage value.

\*To install splint if it is not present : $audo apt install splint.

\*To use command splint filename**.**