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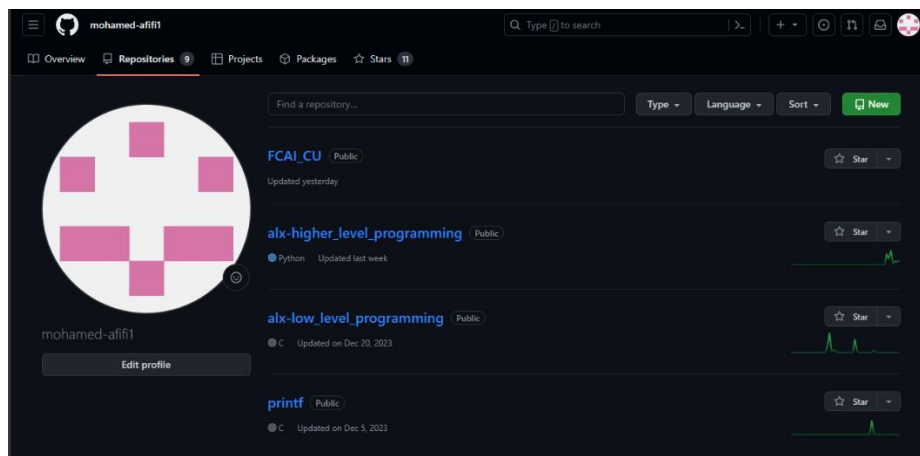
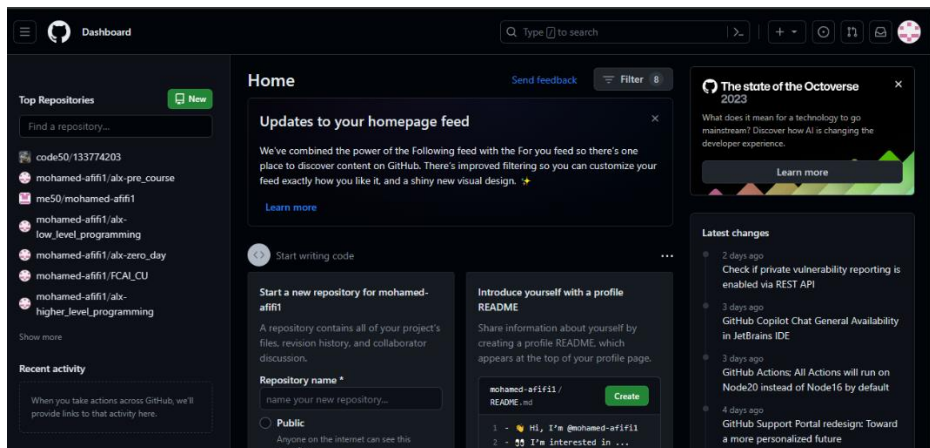
Section: S16

Date: 10/3/2024

Problem: Xor cipher

Course name: CS112

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GitHub account: [mohamed-afifi1 \(github.com\)](https://github.com/mohamed-afifi1)

git clone: [url_for_repository]: retrieve an entire repository from hosted location via url

git add [file]: add file to commit stage

git add . : to add all files in the working directory

git commit -m "[message]": commit your staged content as a new commit

git status: show modified files in the working directory

git reset [file]: unstage a file while retaining the changes in working directory

git push: to push all committed files into the repository

git pull: to take all new files from repository into my device

algorithm for Xor cipher

print welcome message

asking user for enter a message he want to cipher

asking user for enter key he want to use

for every character in string use Xor operation with The letter in key corresponding to string

print the result in hexadecimal

print the ascii letters corresponding to the result

end loop

algorithm for Xor decipher

print welcome message

asking user for enter a message he want to decipher

asking user for enter key he want to use

for every number in hexadecimal use Xor operation with The letter in key corresponding to number

print the message

end loop