

# COMP 7402 - Assignment 2

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## Usage

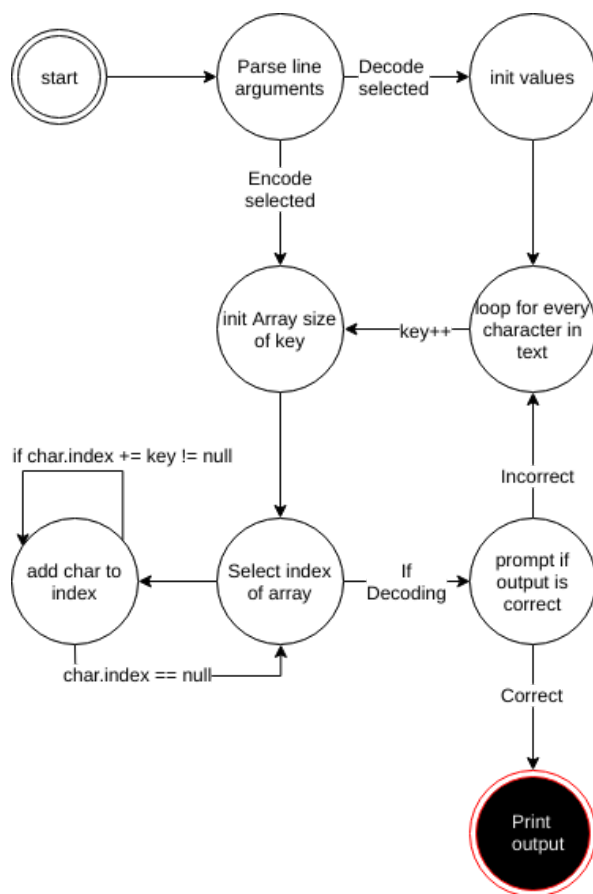
To decode: `python3 a2.py -t TEXT -m decode`

To encode: `python3 a2.py -t TEXT -m encode -k KEYSIZE`

To decode: `python3 a2.py -t TEXT -m decode`

## Design

### State diagram



## Testing

Test	Wrong command line arguments
Desired output	Help description printed on console
Result	usage: Transposition Cipher Decryption [-h] -t TEXT -m MODE [-k [KEYSIZE]] Transposition Cipher Decryption: error: the following arguments are required: -m
PASS	

Test	Input file doesn't exist
Desired output	Error with detailed description
Result	...FileNotFoundException: [Errno 2] No such file or directory...
PASS	

Test	Encoding text file
Desired output	Encoded text printed to console
Result	Encoded text correctly printed
PASS	

Test	Decoding text file
Desired output	User prompted for if output is correct until correct key is found
Result	Prompted
PASS	