

# Testing

Test # 1 - Success	
Command	Expected output
Encrypting a message from command line	Data encrypted and displayed. The text is correctly padded.
<pre>▲ Documents/c7402/a4 ./src/main.py -e -i "hello world this is a message"  Block: [104, 101, 108, 108, 111, 32, 119, 111] Block: [114, 108, 100, 32, 116, 104, 105, 115] Block: [32, 105, 115, 32, 97, 32, 109, 101] Block: [115, 115, 97, 103, 101, 0, 0, 0] -&gt; Output: [16, 20, 20, 20, 12, 12, 20, 12, 4, 20, 12, 12, 16, 16, 16, 16, 12, 16, 16, 12, 20, 12, 12, 20, 16, 16, 20, 4, 20, 0, 0, 0]</pre>	

Test # 2 - Success	
Command	Expected output
Encrypting a message that is too short.	Data encrypted and displayed. The text is correctly padded.
<pre>▲ Documents/c7402/a4 ./src/main.py -e -i "hi"  Block: [104, 105, 0, 0, 0, 0, 0, 0] -&gt; Output: [16, 16, 0, 0, 0, 0, 0, 0]</pre>	

Test # 3 - Success	
Command	Expected output
Encrypting a message from a text file. Decrypting a message.	Data encrypted and decrypted correctly. and displayed. The text is correctly padded.
<pre> ▲ Documents/c7402/a4 ./feistel.py -e alice.txt secret  ▲ Documents/c7402/a4 ls alice.txt  Ass5-19.pdf  FeistelArchitecture.pdf  feistel.py  out.cip  secret  src  ▲ Documents/c7402/a4 rm out.cip  ▲ Documents/c7402/a4 cat secret h{jdk&lt; cg.ava4k{q:~}irc %  ▲ Documents/c7402/a4 ./feistel.py -d secret plai  ▲ Documents/c7402/a4 ls alice.txt  Ass5-19.pdf  FeistelArchitecture.pdf  feistel.py  plai  secret  src  ▲ Documents/c7402/a4 cat plai hello how are you doing </pre>	

Test # 4 - Success	
Command	Expected output
Empty file passed in as an argument	Program performs no action.
<pre>▲ Documents/c7402/a4 touch file ▲ Documents/c7402/a4 cat file ▲ Documents/c7402/a4 ./feistel.py -e file secret ▲ Documents/c7402/a4 cat file ▲ Documents/c7402/a4 cat secret ▲ Documents/c7402/a4 █</pre>	