

```
----- The Commands -----
S - set the current Polynomial to work on
- - - - -
1 - use the assign_coef function
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E - evaluate current polynomial by using () op
G - use the gif function
N - use the next_term and previous_term functions
+ - view A + B
- - view A - B
* - view A * B
- - - - -
Q - quit this interactive test program
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>1
Enter exponent: 5
Enter coefficient: 3
After assigning: (degree is 3)
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[>V

A: 0.0 (degree is 0)

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```

[>1

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[>2

[Enter exponent: 3

[Enter coefficient: 4

After adding:  $4.0x^3$  (degree is 3)

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[>D

A.derivative: 0.0 (degree is 0)

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[>E

[Enter the x value: 3

For the poly: 4.0x^2 (degree is 2)

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[>G

[Enter file name to write: polygif.cpp

[Enter upper x bound: 3

[Enter lower x bound: 2

[Enter upper y bound: 1

[Enter lower y bound: 5

The file has been written

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[>V

A: (degree is 3)

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[>C