CMD: cat test.txt | ./shape.exe > testout.txt

**INPUT**

maxShapes 3

create my\_circle ellipse 50 65 20 20

create my\_square rectangle 100 150 60 60

create my\_triangle triangle 40 75 -90 90

create my\_rectangle rectangle 100 275 90 180

create ellipse rectangle 100 275 90 180

create my\_rectangle triangle 70 50 10 5

create second\_triangle triangle 70 50 10 5

move my\_circle

mve my\_circle

move my\_circle 70 90

rotate my\_rectangle 90 100

rotate my\_rectangle 100

rotate my\_rectangle 400

draw my\_trinagle

draw my\_circle

draw all

delete my\_square

draw all

delete all

draw all

**EXPECTED OUTPUT**

> New database: max shapes is 3

> Created my\_circle: ellipse 50 65 20 20

> Created my\_square: rectangle 100 150 60 60

> Error: invalid value

> Created my\_rectangle: rectangle 100 275 90 180

> Error: invalid shape name

> Error: shape my\_rectangle exists

> Error: shape array is full

> Error: too few arguments

> Error: invalid command

> Moved my\_circle to 70 90

> Error: too many arguments

> Rotated my\_rectangle by 100 degrees

> Error: invalid value

> Error: shape my\_trinagle not found

> Drew my\_circle

my\_circle: ellipse 70 90 20 20

> Drew all shapes

my\_circle: ellipse 70 90 20 20

my\_square: rectangle 100 150 60 60

my\_rectangle: rectangle 100 275 90 180

> Deleted shape my\_square

> Drew all shapes

my\_circle: ellipse 70 90 20 20

my\_rectangle: rectangle 100 275 90 180

> Deleted: all shapes

> Drew all shapes

**OUTPUT**

> New database: max shapes is 3

> Created my\_circle: ellipse 50 65 20 20

> Created my\_square: rectangle 100 150 60 60

> Error: invalid value

> Created my\_rectangle: rectangle 100 275 90 180

> Error: invalid shape name

> Error: shape my\_rectangle exists

> Error: shape array is full

> Error: too few arguments

> Error: invalid command

> Moved my\_circle to 70 90

> Error: too many arguments

> Rotated my\_rectangle by 100 degrees

> Error: invalid value

> Error: shape my\_trinagle not found

> Drew my\_circle

my\_circle: ellipse 70 90 20 20

> Drew all shapes

my\_circle: ellipse 70 90 20 20

my\_square: rectangle 100 150 60 60

my\_rectangle: rectangle 100 275 90 180

> Deleted shape my\_square

> Drew all shapes

my\_circle: ellipse 70 90 20 20

my\_rectangle: rectangle 100 275 90 180

> Deleted: all shapes

> Drew all shapes