

line number 1

step number 1

total steps 12

globals

stack

heap

line number 2

step number 2

total steps 12

globals

x

= 4

heap

stack

line number 3

step number 3

total steps 12

globals

x = 4

stack

heap

line number 4

step number 4

total steps 12

globals

x = 4

total = 0

y = 0

stack

heap

line number 3

step number 5

total steps 12

globals

x = 4

total = 0

y = 0

stack

heap

line number 4

step number 6

total steps 12

globals

x = 4

total = 0

y = 1

stack

heap

line number 3

step number 7

total steps 12

globals

x = 4

total = 1

y = 1

stack

heap

line number 4

step number 8

total steps 12

globals

x = 4

total = 1

y = 2

stack

heap

line number 3

step number 9

total steps 12

globals

x = 4

total = 3

y = 2

stack

heap

line number 4

step number 10

total steps 12

globals

x = 4

total = 3

y = 3

stack

heap

line number 3

step number 11

total steps 12

globals

x = 4

total = 3

y = 3

stack

heap

line number **done**

step number **12**

total steps **12**

globals

x = 4 

total = 3 

y = 3 

stack

heap