apsara

Date:

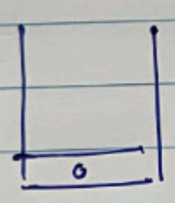
★ → push 12 ✓
- → push 15 ✓
→ push 10 ✓
→ getmin ✓
→ pop ✓
→ getmin ✓
→ top ✓
→ push 10 ✓
→ top

Starting with empty stack

① push 12

min => 12

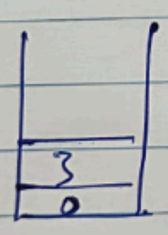
push 12-12 => 0 to stack



② push 15

min => 12

push = 15-12 => 3 to stack



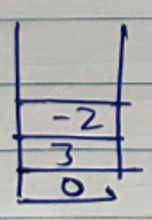
③ ~~push getmin~~ push 10

min => 12

push => 10-12 => -2

10<12

so min => 10



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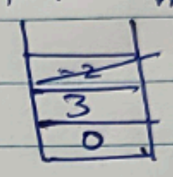
④ get min

min → 10

return min

⑤ pop()

min → 10



-2 < 0 ✓

min => 10-(-2)

min => 12

min → 12

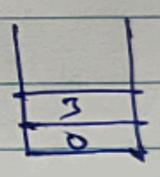
⑥ get min()

min → 12

return min

⑦ top()

min → 12



3 > 0

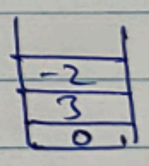
12 + 3 => 15

⑧ push 10

min → 12

push 10 - 12 => -2

10 < 12 ✓ min = 10



⑨ top()

-2 >= 0 ✗

min → 10

return 10