# SoulShift

# SoulShift – Educational Q&A Platform

## General Questions

Practice Questions

**Q1. What will be the output of the binary search function if the target is not found?**
   A. The index of the closest element
   B. The index of the target
   C. -1
   D. 0

*Solution: Typically, binary search returns -1 if the target value is not found in the array.*

**Q2. If the array is [1, 2, 3, 4, 5] and the target is 3, what will be the mid index during the first iteration?**
   A. 0
   B. 1
   C. 2
   D. 3

*Solution: The mid index is calculated as (0 + 4) // 2 = 2, which corresponds to the value 3.*