In [1]:
```python
#Assignment 2 - Q1

# Function to find second lowest grade students
def second_lowest_grade(students):
    # Finding the second lowest grade

    # Collect all the scores
    scores = []
    for name, score in students:
        scores.append(score)

    # Convert the list of scores into a set to remove duplicates
    unique_scores = set(scores)

    # Sort the unique scores
    sorted_scores = sorted(unique_scores)

    # Get the second lowest score
    second_lowest = sorted_scores[1]

    # Collecting names of students with the second lowest grade
    second_lowest_students = []
    for name, score in students:
        if score == second_lowest:
            second_lowest_students.append(name)

    # Sorting the names alphabetically
    second_lowest_students.sort()

    # Printing the names of students with the second lowest grade
    print("Students with second_lowest_grades")
    for name in second_lowest_students:
        print(name)

# Input number of students
n = int(input("Enter the number of students: "))
students = []

# Input students' names and grades
for _ in range(n):
    name = input("Enter student's name: ")
    score = float(input("Enter student's score: "))
    students.append((name, score))

# Find and print students with the second lowest grade
second_lowest_grade(students)
```

```
Enter the number of students: 3
Enter student's name: Alpha
Enter student's score: 50.0
Enter student's name: Beta
Enter student's score: 50.0
Enter student's name: Chi
Enter student's score: 20.0
Students with second_lowest_grades
Alpha
Beta
```

In [2]:
```python
#Assignment 2 - Q2

def two_sum(nums, target):
    # Iterate through each number in the list
    for i in range(len(nums)):
        # Check every number after the current one for a pair that adds up to the target
        for j in range(i + 1, len(nums)):
            if nums[i] + nums[j] == target:
                # Return the indices if a pair is found
                return [i, j]

    # If no solution is found, return an empty list
    return []

# Input nums and target
nums = [int(x) for x in input("Enter the list of numbers separated by space: ").split()]
target = int(input("Enter the target number: "))

# Call the function and print the result
result = two_sum(nums, target)
if result:
    print("Indices of the two numbers:", result)
else:
    print("No two numbers found that add up to the target.")
```

```
Enter the list of numbers separated by space: 2 7 11 15
Enter the target number: 9
Indices of the two numbers: [0, 1]
```

In [ ]: