In [ ]:
```
#Assignment 2
```

In [1]:
```
# Number of students
N = int(input("Enter the number of students: "))

# Nested list to store names and grades
students = []

# Input student names and grades
for _ in range(N):
    name = input("Enter the student's name: ")
    grade = float(input("Enter the student's grade: "))
    students.append([name, grade])

# Sort students based on grades
students.sort(key=lambda x: x[1])

# Find the second lowest grade
second_lowest_grade = sorted(set(grade for name, grade in students))[1]

# Find students with the second lowest grade
second_lowest_students = sorted([name for name, grade in students if grade

# Print the names of students with the second lowest grade
print("Students with the second lowest grade:")
for student in second_lowest_students:
    print(student)
```

```
Enter the number of students: 2
Enter the student's name: A
Enter the student's grade: 50
Enter the student's name: B
Enter the student's grade: 60
Students with the second lowest grade:
B
```

In [2]:
```
def two_sum(nums, target):
    num_dict = {}  # Dictionary to store the complement of each number

    for i, num in enumerate(nums):
        complement = target - num
        if complement in num_dict:
            return [num_dict[complement], i]  # Return indices of the two n
        num_dict[num] = i  # Store the index of the current number

# Example usage:
nums = [3, 6, 9, 15]
target = 9
result = two_sum(nums, target)
print("Output:", result)
```

```
Output: [0, 1]
```