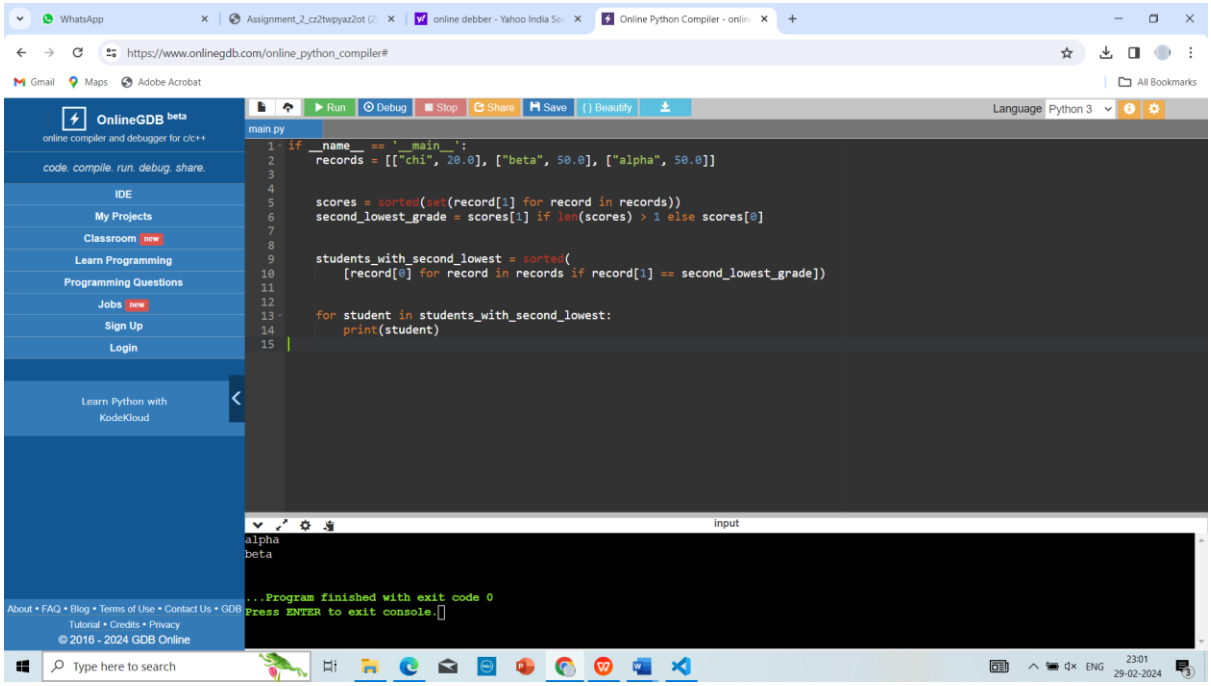
Code 1:

```
if __name__ == '__main__':
    records = [["chi", 20.0], ["beta", 50.0], ["alpha", 50.0]]

    scores = sorted(set(record[1] for record in records))
    second_lowest_grade = scores[1] if len(scores) > 1 else scores[0]

    students_with_second_lowest = sorted(
        [record[0] for record in records if record[1] == second_lowest_grade])

    for student in students_with_second_lowest:
        print(student)
```

OUTPUT:

alpha

beta



Code 2:

```
def two_sum(nums, target):
    # Create a dictionary to store the indices of elements
    num_dict = {}
    for i, num in enumerate(nums):
        complement = target - num

        # Check if the complement is already in the dictionary
        if complement in num_dict:
            # If found, return the indices of the two numbers
            return [num_dict[complement], i]

        # If not found, add the current number and its index to the dictionary
        num_dict[num] = i

    # If no solution is found, return an empty list (this should not happen in this problem)
    return []

# Example usage
nums = [2, 7, 11, 15]
target = 9
result = two_sum(nums, target)
print(result)
```

OUTPUT[0 1]