

## Practice Set 2 – Loops, Conditions, and Functions

1. Write a Python function that accepts a list of strings and returns a string that contains all the words from the list.

```
input = ["hello", "goodbye", "omg", "wow"]  
outPut: "hello goodbye omg wow "
```

2. Write a Python function that will accept the base and height of a triangle and compute the area.
3. Write a Python function to solve  $\sqrt{((x + y) * (x + y))}$ . (hint – you may need to import the math library)
4. Write a Python program to compute the distance between the points:  $(x_1, y_1)$  and  $(x_2, y_2)$ .

### BONUS! (if you're up for a challenge)

5. Given an array of integers, return **indices** of the two numbers such that they add up to a specific target.

```
# Example *****  
# Given: nums = [2, 7, 11, 15], target = 9,  
# Because nums[0] + nums[1] = 2 + 7 = 9,  
# return [0, 1].
```