


ASSIGNMENT-3

▾ Create two list and join those two list

```
# Create two lists
list1 = [1, 2, 3, 4, 5]
list2 = [4, 5, 6]

# Join the two lists
result_list = list1 + list2

# Print the joined list
print(result_list)
```

 [1, 2, 3, 4, 5, 4, 5, 6]

+ Code

+ Text

▾ With If statement find the even numbers

```
# Create a list of numbers
numbers = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]

# Create an empty list to store even numbers
even_numbers = []

# Iterate through the numbers and check if each number is even
for number in numbers:
    if number % 2 == 0:
        even_numbers.append(number)

# Print the list of even numbers
print("Even Numbers:", even_numbers)
```

Even Numbers: [2, 4, 6, 8, 10]

▾ Create a dictionary with 3 keys and 2 values for each key

```
# Create a dictionary with 3 keys, each having 2 values
my_dict = {
    'NAME': ['ARCHANA', 'PUSHPAKALA'],
    'AGE': ['20', '34'],
    'BLOOD GROUP': ['A+VE', 'O+VE']
}

# Access and print the dictionary
print(my_dict)
```

{'NAME': ['ARCHANA', 'PUSHPAKALA'], 'AGE': ['20', '34'], 'BLOOD GROUP': ['A+VE', 'O+VE']}

▾ Create a function with If statement whis is used to find the odd numbers

```
def find_odd_numbers(numbers):
    # Create an empty list to store odd numbers
    odd_numbers = []

    # Iterate through the numbers and check if each number is odd
    for number in numbers:
        if number % 2 != 0:
            odd_numbers.append(number)
```

```
    return odd_numbers

# Test the function
numbers_list = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
result = find_odd_numbers(numbers_list)

# Print the list of odd numbers
print("Odd Numbers:", result)
```

```
Odd Numbers: [1, 3, 5, 7, 9]
```

▼ Write a Python function to sum all the numbers in a list.

```
def sum_numbers(numbers):
    total = 0
    for number in numbers:
        total += number
    return total

# Test the function
numbers_list = [1, 2, 3, 4, 5]
result = sum_numbers(numbers_list)

# Print the sum
print("Sum of Numbers:", result)
```

```
Sum of Numbers: 15
```