

1. Python

```
def variable():
    def adder(*argv):
        sum = 0
        for arg in argv:
            sum += arg
        return sum
    print("Sum 1 is", adder(1, 2, 3, 4, 5, 6))
    print("Sum 2 is", adder(1, 5))
    print("Sum 3 is", adder())
```

2. Java

```
public static int adder(int... a) {
    int sum = 0;
    for (int i : a) {
        sum += i;
    }
    return sum;
}

public static void main(String[] args) {
    System.out.println("Sum 1 is " + adder(1,2,3,4,5,6));
    System.out.println("Sum 2 is " + adder(1,5));
    System.out.println("Sum 3 is " + adder());
}
```

3. C#

```
namespace hw9 {
    class hw9 {
        public static int Adder(params int[] nums) {
            int sum = 0;
            foreach (int num in nums) {
                sum += num;
            }
            return sum;
        }

        public static int Main(string[] args) {
            Console.WriteLine("Sum 1 is {0}", Adder(1,2,3,4,5,6));
            Console.WriteLine("Sum 2 is {0}", Adder(1,5));
            Console.WriteLine("Sum 3 is {0}", Adder());
            return 0;
        }
    }
}
```

```
    }  
  }  
}
```