function pair\_sum(arr::Vector{T}, k::Integer) where T<:Integer

sum = 0

for i in 1:length(arr)

for j = i+1:length(arr)

merge\_both = arr[i] + arr[j]

if mod(merge\_both, k) == 0

sum +=1

end

end

end

return sum

end

arr = [5,9,36,74,52,31,42]

println("Total pairs " , pair\_sum(arr, 3))