function MinimumUnique(arr::AbstractArray{T}) where T<:Integer

map = Dict{T,Int}()

sum = 0

for value in arr

if !haskey(map, value)

map[value]=1

sum+=value

continue

end

while haskey(map, value)

value+=1

end

if !haskey(map, value)

map[value]=1

sum += value

continue

end

end

return sum

end

arr = [1 2 2 2]

println("Total pairs " , MinimumUnique(arr))