
```
function [MED] = medianfilter(image)
[M,N] = size(image);
center=2;
z=1;
values=zeros(1,9);
tmp=zeros(size(image));
MED=uint8(tmp);
for i=1:M
    for j=1:N
        for k=1:3
            for l=1:3
                if ((i+(k-center)) > 0) && ((j+(l-center)) > 0) && ...
                    (i+(k-center) < M) && (j+(l-center) < N))
                    values(z) = image((i+(k-center)),(j+(l-center)));
                    z = z + 1;
                end
            end
        end
        MED(i,j) = median(values);
        clear values;
        z = 1;
    end
end
```

*Error using medianfilter (line 2)
Not enough input arguments.*

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