```matlab
% Coleman Lyski
%
% September 27, 2016
%
% Lab 6
```

Flipping a Coin

```matlab
clear; close all; clc; home
rng('shuffle');
heads=0;
tails=0;
flips=input('How many times to flip the coin: ');
for counter=1:flips
    outcome(counter)=randi([1 2],1);
    if outcome(counter)==1
        heads=heads+1;
    else
        tails=tails+1;
    end
end
%if flips<11
%    fprintf('Flips: %0.0f\n',outcome)
%end
fprintf('\nFor %0.0f flips',flips)
fprintf('\nThe number of heads flipped: %0.0f  With a probability of
 %0.2f%%',heads,heads/flips*100)
fprintf('\nThe number of tails flipped: %0.0f  With a probability of
 %0.2f%%',tails,tails/flips*100)
```

Error using input
Cannot call INPUT from EVALC.

Error in lab6 (line 11)
flips=input('How many times to flip the coin: ');

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