```matlab
clc
clear all
close all

% DEClMAL TO BINARY CONVERSION
% ID 2017KUCP1009
% Name VIBHOR RAWAL

%decimal=input('Enter the number : ');
decimal=32
n=log2(decimal);
if (n-floor(n)==0)
noofbits=n+1;
else
noofbits=ceil(n);
end
binary_number = zeros(1,noofbits);
for i=noofbits:-1:1
binary_number(i)=rem(decimal,2);
decimal= floor(decimal/2);
end
binary_number


decimal =

    32


binary_number =

    1    0    0    0    0    0
```

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