

Example#1 : Write a code in MATLAB for artificial neurons that takes three binary input using threshold function!

```
O1=1;
O2=1;
O3=0;
W1=0.5;
W2=0.4;
W3=0.2;
weight_sum= O1*W1+O2*W2+O3*W3 ;
T=1;
if weight_sum >=T
output=0;
else
    output = 1;
end
disp(['output:' , num2str(output)]);
```

output:1