

```
>> temp= input('enter temp; ');
if(temp>12 && temp<=40)
disp('Fuzzy set of cold')
if(temp>20 && temp<=32)
m=1;
disp('cold');
elseif(temp>12 && temp<=20)
m = (temp - 12)/(20-12);
disp('chilled');
else
m =(40-temp)/(40-32);
disp('mild cold');
end
disp(m);
end
if(temp>32 && temp<=60)
disp('Fuzzy set of warm')
if(temp>40 && temp<=52)
m=1;
disp('extreme hot');
elseif(temp>32 && temp<=40)
m = (temp - 32)/(40-32);
disp('hot');
else
m =(60-temp)/(60-52);
disp('warm');
end
disp(m)
end
```