```matlab
n=input("enter the value of n");
%h=input("Enter the value of h:');
for i=1:1:n
 if i==1||i==n
 for j=1:1:n
 u(i,j)=input("Enter the value of u(i,j)=");
 end
 else
for j=1:1:n
 if j==1||j==n
 u(i,j)=input("Enter the value of u(i,j)");
 else
 u(i,j)=0;
 end
 end
 end
end
itr=input("Enter the number of iterations=");
for k=1:1:itr
 for i=2:1:n-1
 for j=2:1:n-1
 u(i,j)=(1/4)*(u(i+1,j)+u(i-1,j)+u(i,j+1)+u(i,j-1));  end
 end
end
for i=2:1:n-1
 for j=2:1:n-1
 fprintf('%f\n',u(i,j));
 end
end


%output
 Laplace
enter the value of n4
Enter the value of u(i,j)=60
Enter the value of u(i,j)=40
Enter the value of u(i,j)=20
Enter the value of u(i,j)=0
Enter the value of u(i,j)60
Enter the value of u(i,j)10
Enter the value of u(i,j)60
Enter the value of u(i,j)20
Enter the value of u(i,j)=60
Enter the value of u(i,j)=50
Enter the value of u(i,j)=40
Enter the value of u(i,j)=30
Enter the number of iterations=15
43.333333
26.666667
```