

Practical-4

Aim: Perform DFT of a 4x4 gray scale image

Code:

```
clc;
```

```
x=[1,1,1,1;1,1,1,1;1,1,1,1;1,1,1,1]
```

```
X=fft(x,-1);
```

```
disp(X,"X[k]=")
```

Output:

X[k]=

16.	0.	0.	0.
0.	0.	0.	0.
0.	0.	0.	0.
0.	0.	0.	0.