

```
>> compressImages  
File: image1.jpg
```

```
8x8x3 uint8 array
```

```
ans(:,:,1) = Image1 - Uncompressed original
```

```
61 60 61 63 63 62 62 61  
61 60 62 63 64 64 63 62  
63 63 62 62 63 64 63 62  
63 62 63 63 64 62 64 63  
64 63 63 64 63 63 64 64  
64 63 63 62 64 63 64 65  
64 64 63 64 63 64 65 63  
63 63 62 63 63 63 64 64
```

```
ans(:,:,2) =
```

```
123 122 120 122 122 121 121 120  
123 122 121 122 123 123 122 121  
122 122 121 121 122 123 122 121  
122 121 122 122 123 121 123 122  
123 122 122 123 122 122 121 121  
123 122 122 121 123 122 121 122  
123 123 122 123 122 123 124 122  
122 122 121 122 122 122 123 123
```

```
ans(:,:,3) =
```

```
198 197 198 200 200 199 199 198  
198 197 199 200 201 201 200 199  
198 198 197 197 200 201 200 199  
198 197 198 198 201 199 201 200  
199 198 198 199 198 198 198 198  
199 198 198 197 199 198 198 199  
199 199 198 199 198 199 200 198  
198 198 197 198 198 198 199 199
```

```
ans(:,:,1) = Image1 - Compressed Step I DCT
```

```
57 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0
```

```
ans(:,:,2) =
```

```
80 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0  
0 0 0 0 0 0 0 0
```

0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

ans(:,:,3) =

46	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

8x8x3 uint8 array

ans(:,:,1) = Image 1 - Final Result Step II

66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66
66	66	66	66	66	66	66	66

ans(:,:,2) =

122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122
122	122	122	122	122	122	122	122

ans(:,:,3) =

199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199
199	199	199	199	199	199	199	199

PSNRresult =

11.6639

PSNR for image 1

File: image2.jpg

8×8×3 uint8 array

ans(:,:,1) = Image 2 uncompressed original

76	76	76	78	76	76	75	74
76	76	77	78	76	76	75	75
78	78	78	78	78	78	78	78
79	79	78	78	78	79	79	78
80	80	79	79	80	81	79	77
79	80	80	79	80	81	79	77
79	81	82	81	79	80	80	78
77	81	84	82	79	79	80	79

ans(:,:,2) =

135	135	135	137	138	138	137	136
135	135	136	137	138	138	137	137
135	135	137	137	137	137	137	137
136	136	137	137	137	138	138	137
137	137	136	136	137	138	138	136
136	137	137	136	137	138	138	136
134	136	137	136	136	137	137	135
132	136	139	137	136	136	137	136

ans(:,:,3) =

213	213	213	215	215	215	214	213
213	213	214	215	215	215	214	214
214	214	215	215	215	215	215	215
215	215	215	215	215	216	216	215
216	216	215	215	216	217	216	214
215	216	216	215	216	217	216	214
214	216	217	216	215	216	216	214
212	216	219	217	215	215	216	215

ans(:,:,1) = Image2 - Step I Compressed DCT

63	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

ans(:,:,2) =

80	0	0	0	0	0	0	0
----	---	---	---	---	---	---	---

[illegible]

```
ans(:, :, 3) =
```

[illegible]

8x8x3 uint8 array

ans(:,:,1) = Image2 - Final Step II Result

[illegible]

```
ans(:, :, 2) =
```

[illegible]

```
ans(:, :, 3) =
```

[illegible]

PSNRresult =

11.5201

For image 2

File: image3.jpg

8×8×3 uint8 array

ans(:,:,1) = Image3 Uncompressed original

49	49	49	49	47	47	47	47
48	48	48	48	47	47	47	47
48	48	48	48	47	47	47	47
49	49	49	49	47	47	47	47
46	46	46	46	46	46	46	46
43	43	43	43	46	46	46	46
42	42	42	42	44	44	44	44
42	42	43	42	44	44	44	44

ans(:,:,2) =

147	147	147	147	145	145	145	145
146	146	146	146	145	145	145	145
146	146	146	146	145	145	145	145
147	147	147	147	145	145	145	145
144	144	144	144	144	144	144	144
141	141	141	141	144	144	144	144
140	140	140	140	142	142	142	142
140	140	141	140	142	142	142	142

ans(:,:,3) =

208	208	210	210	206	206	206	206
207	207	209	209	206	206	206	206
207	207	209	209	206	206	206	206
208	208	210	210	206	206	206	206
205	205	205	205	205	205	205	205
202	202	202	202	205	205	205	205
201	201	201	201	203	203	203	203
201	201	202	201	203	203	203	203

ans(:,:,1) = Image3 - Step 1 compressed DCT

60	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0

ans(:,:,2) =

[illegible]

```
ans(:, :, 3) =
```

[illegible]

8x8x3 uint8 array

ans(:,:,1) = Image 3 step II final result

48	48	48	48	48	48	48	48
48	48	48	48	48	48	48	48
47	47	47	47	47	47	47	47
46	46	46	46	46	46	46	46
46	46	46	46	46	46	46	46
45	45	45	45	45	45	45	45
44	44	44	44	44	44	44	44
44	44	44	44	44	44	44	44

```
ans(:, :, 2) =
```

145	145	145	145	145	145	145	145
145	145	145	145	145	145	145	145
144	144	144	144	144	144	144	144
143	143	143	143	143	143	143	143
143	143	143	143	143	143	143	143
142	142	142	142	142	142	142	142
141	141	141	141	141	141	141	141
141	141	141	141	141	141	141	141

```
ans(:, :, 3) =
```

208	208	208	208	208	208	208	208
208	208	208	208	208	208	208	208
207	207	207	207	207	207	207	207
206	206	206	206	206	206	206	206
206	206	206	206	206	206	206	206
205	205	205	205	205	205	205	205
203	203	203	203	203	203	203	203

203 203 203 203 203 203 203 203

PSNRresult =

12.4396

for Image 3

>>

>>