Tutorial 4

1. f
2. (a)

Calculation of 24-bit bmp file size in KB:

(W \* H \* depth) / (8 \* 1024) = (50\*50\*24)/8192 = 7.23KB

Actual file size is 7.47KB (7654 bytes)

(b)

R=38, G=190, B=217

R:

38/16 = 2 R 6

2 / 16 = 0 R 2

G:

190/16 = 11 R 14

11 / 16 = 0 R 11

B:

217 / 16 = 13 R 9

13 / 16 = 0 R 13

RGB -> HEX = 26BED9

(c)

1 character = 8 bits = 1 byte

1 byte\* 6 \* 2500 copies = 15000 bytes = 1500KB