Samir Ganbarli   21501094   Veri sıkıştırma – Ödev 1

GrayScale Image (gray.bmp) : 197 x 164 , 32308 pixels (each 8 bit so 32308 bytes)

Black and White Image (tekrenk.bmp): 217 x 193, 41881 pixels (each pixel 1 bit so 41881 bits 5236 bytes)

Colorful Image (renkli.bmp): 423 x 314, 132 822 pixels (each pixel 24 bit so 398 466 bytes)

Comparing sizes before and after compressing.

	Original Size	Row-by-Row	Column-by-Column	Zigzag Scanning
GrayScale (gray.bmp)	32308 bytes	1489 bytes	1850 bytes	2922 bytes
BlackWhite (tekrenk.bmp)	5236 bytes	525 bytes	559 bytes	1077 bytes
Color (renkli.bmp)	398 466 bytes	80109 bytes	83944 bytes	102717 bytes

	Row-by-Row	Column-by-Column	Zigzag Scanning
GrayScale	95.3 per cent compression	94.3 per cent compression	90.9 per cent compression
BlackWhite	89.9 per cent compression	89.3 per cent compression	79.4 per cent compression
Color	79.8 per cent compression	78.9 per cent compression	74.2 per cent compression

Compression Rate = ((Original Size – Compressed Size) / Original Size) * 100