\*\*Exercise 1:\*\* Convert the binary number 10101 to decimal.

\*\*Exercise 2:\*\* Convert the decimal number 42 to binary.

\*\*Exercise 3:\*\* Convert the binary number 1101101 to hexadecimal.

\*\*Exercise 4:\*\* Convert the hexadecimal number 2A7 to binary.

\*\*Exercise 5:\*\* Convert the binary number 100111101 to octal.

\*\*Exercise 6:\*\* Convert the octal number 7654 to binary.

\*\*Exercise 7:\*\* Convert the decimal number 255 to binary.

\*\*Exercise 8:\*\* Convert the binary number 1111010 to decimal.

\*\*Exercise 9:\*\* Convert the hexadecimal number 1F4 to binary.

\*\*Exercise 10:\*\* Convert the binary number 1100101101 to hexadecimal.

\*\*Exercise 11:\*\* Convert the binary number 1010101 to octal.

\*\*Exercise 12:\*\* Convert the octal number 4567 to binary.