## Assignment 1 – Week 2.

## 2's complement exercise

1: Show how -27\_10 would be expressed in two's compliment notation.

**2:** Our numbers are 8-bits long, suppose we want to subtract 27\_10 from 155\_10, show how to perform binary subtraction using the two's compliment method.

**3:** Form the two's complement for -115\_10 and the calculation 27\_10 – 115\_10 using two's complement.

**4:** Show how to convert the result to decimal using the two's complement method.