Exercise 2.1

Differences in **int**, **long**, **long long**, **short**:

1. **int**: 16 bits minimum integer;

2. **long**: 32 bits minimum integer;

3. **long long**: 64 bits minimum integer;

4. **short**: 16 bits minimum integer;

Differences in **signed** and **unsigned** type:

1. **signed**: represents value 0, positive or negative.

2. **unsigned**: only represents value ≥ 0

Differences in **float** and **double**:

1. **float**: typically represented in 1 word(32 bits) and 7 significant digits

2. **double**: typically represented in 2 words(64 bits) and 16 significant digits