Glossary

Uniformly distributed load: Uniformly distributed load is that whose magnitude remains uniform throughout the length. For Example: If 10kN/ft load is acting on a beam whose length is 15ft. Then 10kN/ft is acting throughout the length of 15ft.
Uniformly distributed load is usually represented by w and is pronounced as intensity of udl over the beam, slab etc.

Point of contraflexure: In a bending beam, a point is known as a point of contraflexure if it is a location at which no bending occurs. In a bending moment diagram, it is the point at which the bending moment curve intersects with the zero line. In other words where the bending moment changes its sign from negative to positive or vice versa.