**H.W Lecture 5 part 2**

**Q1\ Define of the following:**

1. **The Unified Modeling Language (UML)**
2. **Modeling**

**Q2\ A private member of a base class cannot be inherited and therefore it is not available for the derived class directly, how to solve this problem.**

**Q3\ What does UML provide?**

**Q4\ Why in the UML, inheritance is called generalization?**

**Q5\ There is no constructor in the CountDn class specifier, so what entity carries out the initialization?**

**Q6\ Can member functions of the derived class access members of the base class? In other words, can operator--() in CountDn access count in Counter?**

**Q7\ Fill in the following blanks:**

1. **When a base class is privately inherited by a derived class, ‘public members’ of the base class become ……… of the derived class.**
2. **When a base class is publicly inherited ‘public members’ of the base class become ……... of the derived class.**
3. **C++ provides a third visibility modifier ………………**