Day: Tuesday M.V.3.k. Kalyani pesign pallenys Anignment 1 174N1A0584 Date: -14-04-2020 in Bitech CSE-C 1. Sample code of Hyweight pattern class Flyweight Factory public : virtual alypher; Virtual void Draw (window &, olyphcontext); virtual void selfont (Font ", Glyph context); virtual void First (Insert (Gdyph+, Glyphcontext); virtual void Remove (gyphoontext); protected: alyphe1; 2. Instrinsic: state is stored in the Flyweight; it consists of suffermation that Independent of the Flyweight context there by making it sharable. Extrinsic: state depends on the varies with the Flyweight context and therefore can't be shared. Effects of flyweight pattern: The flyweights may introduce run-time costs associated with transering, finding and for computing extrinsic state, especially if it was formely stored as intrinsic - que more flyweight are shared the greater the storage savings.

- The Flyweight is often composed with the composite pattern to represent a hierarchical attacture as a graph with shared leaf nodes.

4. Implementations for flyweights:

- The pattern applicability is determined largely by how easy it is to identify extrinsic state and remove it form shared objects.

- Alyweight factory objects use an associative store to let clients look up flyweight of Interest.

## 5. Peal time Example:

- we can use per with without refilt.

- word processor

A classic example usage of the flyweight pattern is the data structure for graphical representation of characters in a word processor.