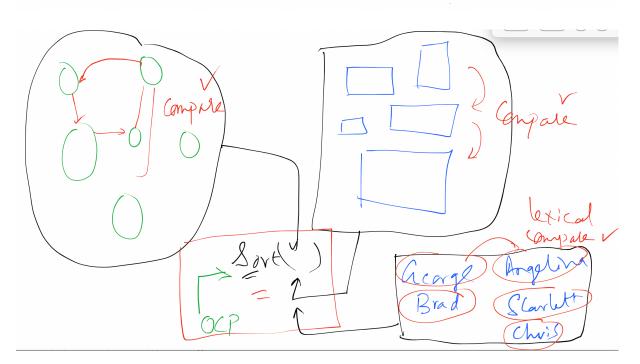
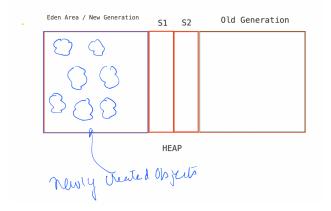
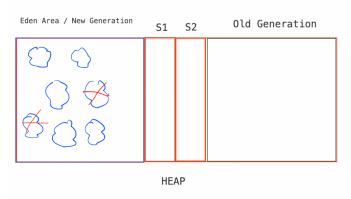
```
interface Dance {
       void dance();
                                                         public class Actor implements Dance {
   state and behaviour;
                                                                                                                 Actor is capable to dance
                                                             public void dance() {
 interface Fight {
      void fight();
                                                        public class Hero extends Actor implements Fight, Swim {
                                                                                                                                Hero is a Actor, every actor is capable to dance hero is also capable to fight and swim
 interface Swim {
                                                             public void fight() {
      void swim();
                                                                                                           // fight interface is referencing a Hero object [stunt master] Fight f = new Hero(); // valid
                                                             public void swim() {
                                                            } ...
                                                                                                           f.fight();
                                                                                                           f.dance(); // not valid; stunt master can't do choerography
                                                                                                           Dance d = (Dance) f;
d.dance(); // valid; hero is now dancing
d.fight(); // not valid
Fight f = new Fight(); // not valid; can't instantiate interface, just like abstract class
                                                                                                           Swim s = (Swim) d; // or f
s.swim(); // valid; hero swims
```





## Sort term GC



If objects in Eden area survive 3 cycles of short term GC they are moved to Old Generation by making use of S1 /S2  $\,$ 

