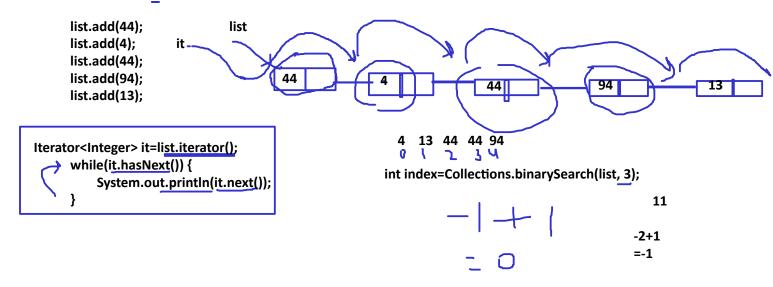
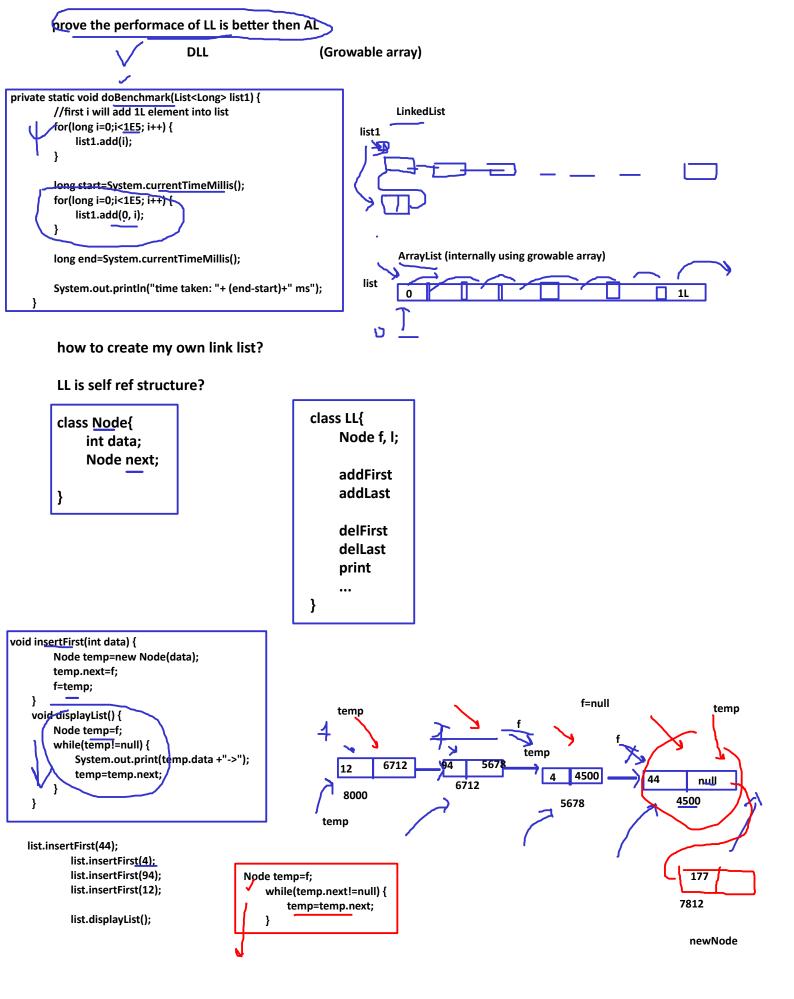
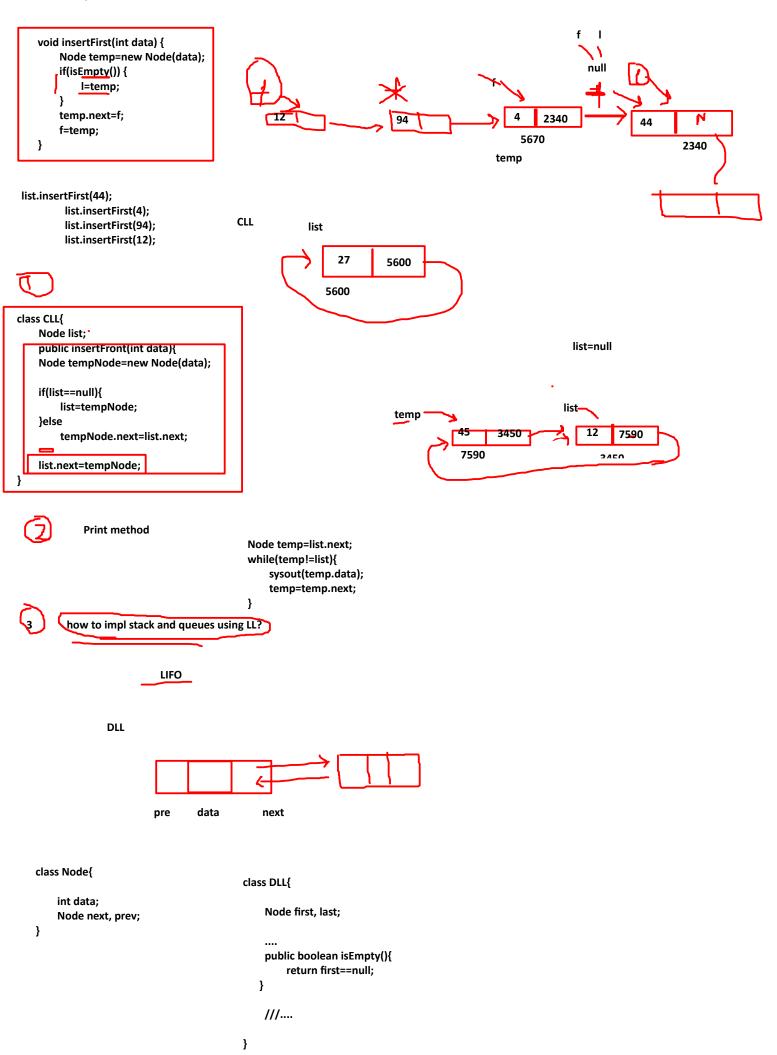


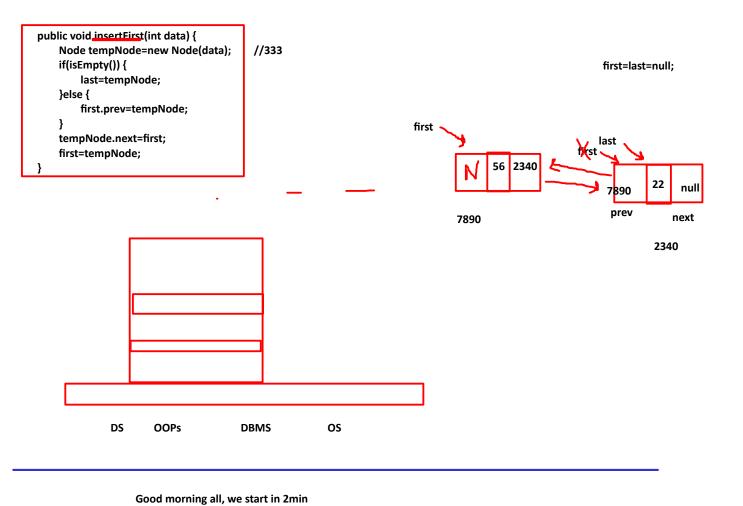
2 option : readymade create ur own

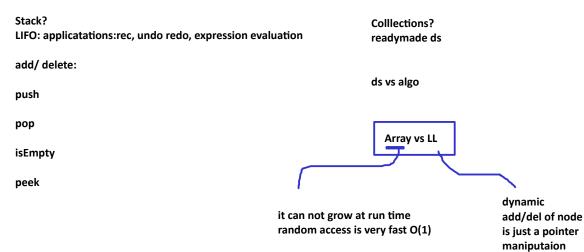
LinkedList<Integer> list=new LinkedList<Integer>();











LL: singleLL CircularLL DLL

add/del is slow process as shifting of element is required

is fast

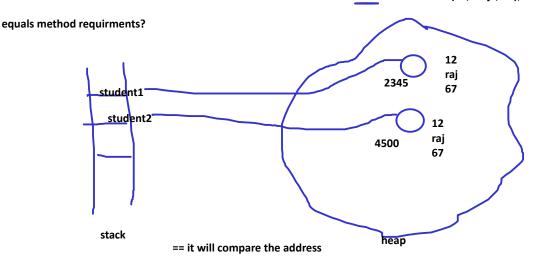
random access is not allowed

Agenda for day:

- 1. Queue : own queue, collection api
- 2. recursion and applications
- 3. searching
- 4. sorting
- 5. hashing

6. tree

O **FIFO**



equals method if u want to compare the contents!

```
public boolean equals(Object obj) {
    return (this == obj);
}
```

u need to override equals method for custom object (user define objects)

Student, Account, etc

for them i need to override eqauls method

hashcode(): it is a good programing practice to override this method with equals () method

overriding?

Assignment:

Product

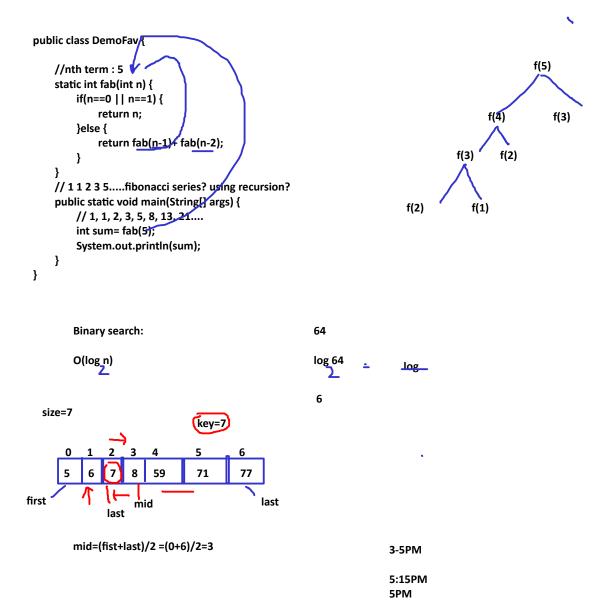
id

name

price

We need to create 5 products and add the the priority queue and print them as per there price

```
class Foo{
     void myFun() {
          System.out.println("it is myfun");
          myFun();
     }
                                                                                   myFun()
 }
 public class BadRecursion {
                                                                                   myFun()
     public static void main(String[] args) {
                                                                                   myFun()
          Foo f=new Foo();
                                                                                    myFun()
          f.myFun();
     }
                                                                                   myFun()
 }
                                                                                 main()
    base condition:
    i want to sum from 1 to N=10
//how it works?
public class SumNumbers Using Rec {
                                                                n=5
    static int sum(int n) {
         if(n==1)
             return 1;
                                                                                         return 5 + sum(4)
         else
             return <u>n+</u> sum(n-1);
                                                                                            return 4+sum(3)
    }
    public static void main(String[] args) {
                                                                                               return 3+ sum(2)
         int val= sum(5);
         System.out.println(val);
    }
                                                                                                return 2 + sum(1)
}
                                                                                                       return 1
                          return 5 + 4 + 3 +2 +1
               Fibonacci numbers
           0, 1, 1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, .......
           a b
                  c=a+b
                                                lopping logic
                    a=0;
                    b=1;
                    while(.....){
                     c=a+b;
                     print c
                     then say
                      a=b;
                      b=c;
                                               Recursion?
```



Session break 3-5PM

I have informed about your meeting extension to edureka

| Sorting techn | ique: |
|---------------|-------|
|---------------|-------|

bubble sort: