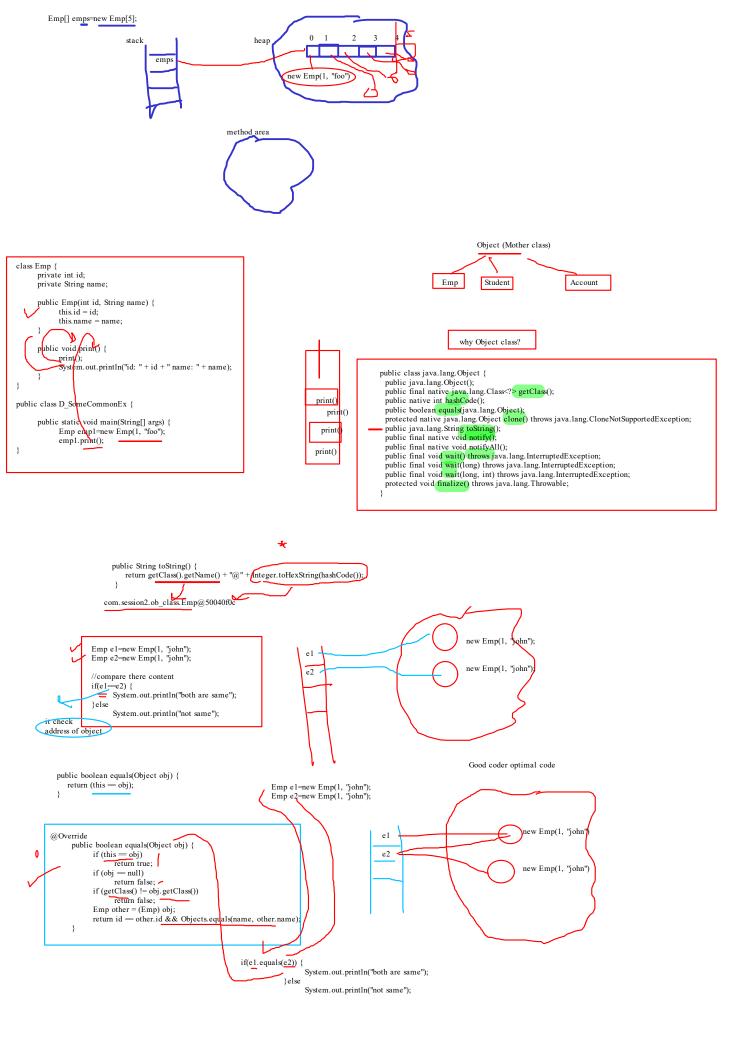




```
public Account(int id, String name, double balance) throws AccountCreationException {
    if(balance<1000) {
        throw new AccountCreationException("account can not be created min bal must be 1000 usd");
    }
    this.id = id;
    this.name = name;
    this.balance = balance;
}
```

```
class AccountCreationException extends Exception{
    private static final long serialVersionUID = 1825616456008488982L;
        public AccountCreationException(String message) {
//NotSufficientFundException
class NotSufficientFundException extends Exception{
private static final long serialVersionUID = 1825616456008488982L;
        public NotSufficientFundException(String message) {
                super(message);
  /OverFundEcxception
class OverFundEexception extends RuntimeException{
private static final long serialVersionUID = 1825616456008488982L;
        public OverFundEcxception(String message) {
                super(message);
        private int id;
        private String name;
        private double balance;
                if(balance<1000) {
                       throw new Account Creation Exception ("account can not be created min bal must be 1000 usd");
                this.id = id;
                this.balance = balance;
                  oid withdraw(d
                double temp=balance-amount;
                iff(temp<1000) {
throw new NotSufficientFundException("transaction is not possible min bal should be 1000 usd");
                       balance=temp;
        }
//1L
                double temp=balance+amount:
                if(temp=10, 00_00) {
throw new OverFundEexception("transaction is not possible max bal should be less then 10_00_00 usd");
                élse
                       balance=temp;
           blic void print()
                System.out.println("id: "+ id +" name: "+ name +" balance: "+balance);
        public static void main(String[] args) {
                Account account;
                try {
                       account = new Account(1, "pol", 900);
account.depsit(5000);
account.withdraw(94500);
                account.print();
} caten (Accounte-cationException e) {
System.out.println(e.getMessage());
} catch(NortPundException e) {
System.out.println(e.getMessage());
} catch (NotSufficientFundException e) {
System.out.println(e.getMessage());
}
                        System.out.println(e.getMessage());\\
                System.out.println("code end");
                                                                                                                             BikeStore
                      BikeStoreApplication
                                                      BikeStoreCreationExcption
                      min bike should be 10
                                                                                                                              BikeStoreDemo
                      sell(int qty)
                                                                                                                                    main
                      procure(int qty)
                                                     StoreFullExcpetion 20
```



```
public static void main(String[] args) {
    List<Integer> list l=newArrayList<>();
    List<Integer> list2=new LinkedList<>();
    doTiming(list1);
}

//time taken: 2111 ms for ArrayList
//time taken: 11 ms for LinkedList
private static void doTiming(List<Integer> list) {
    for(int i=0;i<1E5; i++) {
        list.add(1);
    }
    long start=System.currentTimeMillis();

    for(int i=0;i<1E5; i++) {
        list.add(0,i);
    }

    long end=System.currentTimeMillis();
    System.out.println("time taken: "+(end-start)+" ms");
}</pre>
```

Set: set dont allow duplicate data HashSet LinkedHashSet TreeSet 100000

