ASSGINMENT

1..

OddThread.java

```java
public class OddThread extends Thread{
    int a[],b[];
    public OddThread(int a[], int b[])
    {
        this.a = a;
        this.b = b;
    }
    public void run()
    {
        for(int i=1;i<a.length;i+=2)
            a[i] *= b[i];
    }
}
```

EvenThread.java

```java
public class EvenThread extends Thread{
    int a[],b[];
    public EvenThread(int a[], int b[])
    {
        this.a = a;
        this.b = b;
    }
    public void run()
    {
        for(int i=0;i<a.length;i+=2)
            a[i] *= b[i];
    }
}
```

Q3Test.java

```java
public class Q3Test {
    public static void main(String[] args) {
        int a[]={1,2,3,4,5},b[]={5,4,3,2,1};
        OddThread ot = new OddThread(a,b);
        EvenThread et = new EvenThread(a,b);
        ot.start();
        et.start();
        try
```

```java
        {
            Thread.sleep(100);
        }
        catch(InterruptedException e)
        {
            System.out.println(e);
        }
        for (int v : a)
            System.out.print(v+" ");

    }
}


2..

class MinimumBalanceException extends Exception
{
    MinimumBalanceException(String s)
    {
        super(s);
    }
}

public class Account {
    // account(){}
    String name;
    int acc_no;
    double balance;

    Account(String n,int accno,double bal)
    {
        name = n;
        acc_no = accno;
        balance = bal;
        check_exception(balance);
    }

    boolean check_exception(double bal)
    {
        try
        {
            if(bal<500.0)
                throw new MinimumBalanceException("ERROR!!! Account balance cannot be less
than 500...");
        }
        catch(MinimumBalanceException s)
        {
            System.out.println("\n"+s);
            return false;
        }
```

```java
        return true;
    }

    void deposit(double amt)
    {
        balance += amt;
    }

    void withdraw(double amt)
    {
        if(check_exception(balance-amt))
            balance -= amt;

    }

    public static void transfer(Account ac1,Account ac2,double amt)
    {
        double temp = ac1.balance;
        ac1.withdraw(amt);
        if(temp!=ac1.balance)
            ac2.deposit(amt);
    }

    void display()
    {
        System.out.println("\nNAME: "+name);
        System.out.println("ACCOUNT NO.: "+acc_no);
        System.out.println("BALANCE: "+balance);
    }
}

class AccountDriver
{
    public static void main(String[] args) {
        Account ac1 = new Account("jijnasu", 3578, 600);
        Account ac2 = new Account("kumar", 5050, 1000);

        // it works
        Account.transfer(ac2,ac1,300);
        ac1.display();
        ac2.display();

        // it throws error
        Account.transfer(ac1,ac2,600);
        ac1.display();
        ac2.display();
    }
}
```