

**FALL SEM – (20-2021)**

**CSE2005**

**LAB 7**

**SUBMITTED BY : SRIHARSHITHA DEEPALA**

**REG NO : 19BCD7246**

**SLOT : L5**

Write a Java program to initialize the current balance of your account. Then define another method to input an amount which will be added to the current balance of your account. If the total amount exceeds 20000/- then it should throw a user defined exception which will handle the above exception. Further the excess amount will be used to create a Fixed Deposit account.

**Test Runs:**

**Run-1:**

Your account balance is : 15000

Please enter the amount to add in your balance: 2000

Total account balance: 17000.0

**Run-2:**

Your account balance is : 15000

Please enter the amount to add in your balance: 6000

Your account balance is more than 20K now, so creating FD of amount: 1000.0

## CODE:

```
import java.util.*;
class Account_Balance{
    double account_balance;
    double amount_added;
    Account_Balance(double account_balance, double
amount_added){
        this.account_balance = account_balance;
        this.amount_added = amount_added;
    }
    public void Total_balance(double account_balance,double
amount_added){
        double total_balance = account_balance +
amount_added;
        double fd = account_balance+amount_added-20000;
        try{
            if((total_balance)<=20000){
                System.out.println("Total account balance:
"+total_balance);
            }
            else{
                throw new FixedDeposit(fd);
            }
        }
        catch(Exception e){
            System.out.println("Your current deposit is more
than 20K now, so creating FD of amount: "+ fd);

        }
    }
}
class FixedDeposit extends Exception{
    public FixedDeposit(double a){
        super();
    }
}
public class Main {
    public static void main(String[] args) {
        Scanner scan = new Scanner(System.in);
        System.out.println("Test Runs\n");
        System.out.println("Enter the value of n");
    }
}
```

```

    int n = scan.nextInt();
    for(int i = 0;i<n;i++){
        System.out.println("\n"+"Run - "+(i+1)+"\n");
        double account_balance = scan.nextDouble();
        System.out.println("Your account balance is : 
"+account_balance);
        System.out.println("Enter the amount to add in your 
balance : ");
        double amount_added = scan.nextDouble();
        Account_Balance AB = new Account_Balance(
account_balance, amount_added);
        AB.Total_balance(account_balance,amount_added) ;
    }
    scan.close();
}
}

```

## OUTPUT:

```

> javac -classpath ./run_dir/junit-4.12.jar:target/dependency/* -d . Main.java
> java -classpath ./run_dir/junit-4.12.jar:target/dependency/* Main
Test Runs

Enter the value of n
2

Run - 1

15000
Your account balance is : 15000.0
Enter the amount to add in your balance :
2000
Total account balance: 17000.0

Run - 2

15000
Your account balance is : 15000.0
Enter the amount to add in your balance :
6000
Your current deposit is more than 20K now, so creating FD of amount: 1000.0
> 

```