Submission for Lab 1

Q1)

```java
/**
 *
 * @author Abhishek Karan
 */

class A{
    void method(){
        System.out.println("This is class A.");
    }
    void method(int x){
        System.out.println("Overloaded with values of X:"+x);
    }
}

public class Ques1 extends A{

    public static void main(String[] args){
        System.out.println("THis is Class Ques1.");
        //A a=new A();
        //a.method();
        Ques1 q=new Ques1();
        q.print();
    }//main()

    void print(){
        method();
        method(100);
    }
```

```java
}//class
```

Q2)

```java
/**
 *
 * @author Abhishek Karan
 */
public class Ques2 {

    public static void main(String[] args){

        try{
            int x=1/0;
            System.out.println("1/0 ="+x);
        }catch(Exception e){
            System.out.println(e.getMessage());
        }

    }//main()
}//class
```

Q3)

```java
/**
 *
 * @author Abhishek Karan
 */
class RunnableThread implements Runnable {
```

```java
    public void run() {

        try {

            System.out.println("Runnable Thread:" + Thread.currentThread().getName());

            Thread.sleep(1000);

        } catch (Exception e) {

            System.out.println(e.getMessage());

        }


    }//run()

}


public class Ques3 {


    public static void main(String[] args) {

        Thread t1 = new Thread(new RunnableThread());

        Thread t2 = new Thread(new RunnableThread());


        t1.start();

        t2.start();

        try {

            t2.join();

        } catch (Exception e) {

            System.out.println(e.getMessage());

        }


    }//main()

}//class


Q4)


import java.io.*;
```

```java
/**
 *
 * @author Abhishek Karan
 */
public class Ques4 {

    public static void main(String[] args) {

        try {
            BufferedReader fin = new BufferedReader(new FileReader("D:\\Netbeans\\AJP1\\src\\in.txt"));
            BufferedWriter fout = new BufferedWriter(new FileWriter("D:\\Netbeans\\AJP1\\src\\out.txt"));

            String str = "";
            while ((str = fin.readLine()) != null) {
                fout.write(str);
                System.out.println(str);
            }//while()
            System.out.println("Completed!");
            fin.close();
            fout.close();

        } catch (Exception e) {
            System.out.println(e.getMessage());
        }

    }//main()

}//class
```

Q5)

```java
import javax.swing.JOptionPane;

/**
 *
 * @author Abhishek Karan
 */
public class Employee {

    double salary;
    String name;

    Employee() {
        this.name="Abhi";
        this.salary=100000;
    }//cons()

    static void getInfo(Employee obj) {
        JOptionPane.showMessageDialog(null, "Name:" + obj.name + "\nSalary:" + obj.salary);
    }

    static void salChange(double amt,char stat,Employee obj){
        if(stat=='I'){
            obj.salary+=amt;
        }else if(stat=='D'){
            obj.salary-=amt;
        }
    }

    public static void main(String[] args) {

        Employee emp = new Employee();
```

```
        getInfo(emp);

        salChange(49921, 'I', emp);

        getInfo(emp);

        salChange(505921, 'D', emp);

        getInfo(emp);




    }//main()


}//class
```

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