ArgsDemo.java>

public class ArgsDemo {

    String company = "Hexaware";

    public static void main(String[] args) {

        ArgsDemo obj = new ArgsDemo();

        System.out.println(obj);

    }

}

// java ArgsDemo HI Hello Bye

PS D:\Jan2019\Java Exam\Java 2> javac ArgsDemo.java

PS D:\Jan2019\Java Exam\Java 2> java ArgsDemo

ArgsDemo@6d06d69c

B.java>

public class B {

    void show() {

        System.out.println("Hi");

    }

    public static void main(String[] args) {

        B b = null;

        b.show();

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac B.java

PS D:\Jan2019\Java Exam\Java 2> java B

Exception in thread "main" java.lang.NullPointerException

at B.main(B.java:7)

Ex1>

public class Ex1 {

    public static void main(String[] args) {

        try {

            return ;

        } catch(Exception e) {

            System.out.println("Hi");

        } finally {

            System.out.println("Finally");

        }

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Ex1.java

PS D:\Jan2019\Java Exam\Java 2> java Ex1

Finally

Ex2>

public class Ex2 {

    public static void main(String[] args) {

        try {

            System.out.println("A");

            throw new NullPointerException();

        } catch(ArithmeticException e) {

            System.out.println(e);

        }

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Ex2.java

PS D:\Jan2019\Java Exam\Java 2> java Ex2

A

Exception in thread "main" java.lang.NullPointerException

at Ex2.main(Ex2.java:5)

ex3>??????

class MyException extends Exception {

    int detail;

    MyException(int x) {

        detail=x;

    }

    @Override

    public final String toString() {

        return "" +detail;

    }

}

public class Ex3 {

    static void compute(int x) throws MyException {

        throw new MyException(x);

    }

    public static void main(String[] args) {

        try {

            compute(12);

        // } catch(MyException e) {

        //     System.out.println("Custom");

        } catch(Exception e) {

            System.out.println("Exception");

        }

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Ex3.java

PS D:\Jan2019\Java Exam\Java 2> java Ex3

Exception

Hm2>

import java.util.HashMap;

public class Hm2 {

    public static void main(String[] args) {

        HashMap hm = new HashMap();

        hm.put(123, "Hi");

        hm.put(234, "Demo");

        hm.put(333, "Test");

        hm.put(123, "Java");

        String x =(String)hm.getOrDefault(123, "Not found");//123 is two time,it will print last one

        System.out.println(x);

    }

}

PS D:\Jan2019\Java Exam\Java 2> java Hm2

Java

Inh1>

class First {

    public void show() {

        System.out.println("Show From First...");

    }

}

class Second extends First {

    public void show() {

        System.out.println("Show From Second...");

    }

}

public class Inh1 {

    public static void main(String[] args) {

        First obj = new Second();

        obj.show();

        First obj1 = new First();

        Second obj2 = new Second();

        First f =(First)obj2;

        f.show();

        Second s =(Second)obj1;

        s.show();

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Inh1.java

PS D:\Jan2019\Java Exam\Java 2> java Inh1

Show From Second...

Show From Second...

Exception in thread "main" java.lang.ClassCastException: First cannot be cast to Second

at Inh1.main(Inh1.java:22)

Inh7>

class C1 {

    int a,b;

   public C1() {

    a=5;

    b=8;

   }

    public C1(int a,int b) {

       this.a=a;

       this.b=b;

   }

     @Override

    public final String toString() {

        return "A is " +a+ " B is " +b;

    }

}

class C2 extends C1 {

   public C2(int a,int b) {

    super(a,b);

   }

}

public class Inh7 {

    public static void main(String[] args) {

        C2 obj = new C2(12,5);

        System.out.println(obj);

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Inh7.java

PS D:\Jan2019\Java Exam\Java 2> java Inh7

A is 12 B is 5

Inhc>

class C1 {

    static {

        System.out.println("C1 con");

    }

    public C1() {

        System.out.println("Constructor C1");

    }

}

class C2 extends C1 {

    static {

        System.out.println("C2 con");

    }

    public C2() {

        System.out.println("Constructor C2");

    }

}

public class Inhc {

    public static void main(String[] args) {

        C2 obj = new C2();

        System.out.println(obj);

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Inhc.java

PS D:\Jan2019\Java Exam\Java 2> java Inhc

C1 con

C2 con

Constructor C1

Constructor C2

C2@6d06d69c

Num>

public class Num {

    public static void main(String[] args) {

            int x =Integer.parseInt("1d23");

            System.out.println(x);

    }

}

PS D:\Jan2019\Java Exam\Java 2> java Num

Exception in thread "main" java.lang.NumberFormatException: For input string: "1d23"

at java.lang.NumberFormatException.forInputString(NumberFormatException.java:65)

at java.lang.Integer.parseInt(Integer.java:580)

at java.lang.Integer.parseInt(Integer.java:615)

at Num.main(Num.java:4)

all has to be integer value

class Test1 {

    public Test1() {

        System.out.println("Base Class Constructor...");

    }

}

class Test2 extends Test1 {

    Test2() {

        System.out.println("Derived Class constructor...");

    }

}

public class Quiz5 {

    public static void main(String[] args) {

        new Test2();

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Quiz.java

javac: file not found: Quiz.java

Usage: javac <options> <source files>

use -help for a list of possible options

public class Tc3 {

    public static void main(String[] args) {

        double d = 100.04;

        long l = (long)d;  //explicit type casting required

        int i = (int)l; //explicit type casting required

        byte b =(byte)d;

        //long p =d;

        long p =(long)d;

        System.out.println("Double value "+d);

        System.out.println("Long value "+l);

        System.out.println("Int value "+i);

        System.out.println("Int value "+b);

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Tc3.java

PS D:\Jan2019\Java Exam\Java 2> java Tc3

Double value 100.04

Long value 100

Int value 100

Int value 100

public class Tc4 {

    public static void main(String[] args) {

        int i = 100;

        byte ps =(byte)i;

        long l = i; //no explicit type casting required

        float f = l;    //no explicit type casting required

        System.out.println("Int value "+i);

        System.out.println("Long value "+l);

        double p =i;

        double f1 = f;

        System.out.println("P" +p);

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac Tc4.java

PS D:\Jan2019\Java Exam\Java 2> java Tc4

Int value 100

Long value 100

P100.0

public class TypeCastNew {

    public static void main(String[] args) {

        float b=6.0f;

        int i =(int)b;

        int x=12;

        byte p =(byte)x;

        System.out.println(p);

    }

}

PS D:\Jan2019\Java Exam\Java 2> javac TypeCastNew.java

PS D:\Jan2019\Java Exam\Java 2> java TypeCastNew

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