**6. Exception handling**

class Exception

{

public static void main(String args[])

{

try

{

int a=Integer.parseInt(args[0]);

int b=Integer.parseInt(args[1]);

System.out.println("c=+a/b");

}

catch(ArithmeticException e)

{

System.out.println("\n\t Error in Denomination");

}

catch(ArrayIndexOutOfBoundsException e)

{

System.out.println("\n\t Error in Index value");

}

catch(NumberFormatException e)

{

System.out.println("\n\t Datatype error");

}

finally

{

System.out.println("\n\t finding block will be executed");

}

}

}

**7. MultiThread**

public class EvenOddPrinter {

static boolean flag = true;

public static void main(String[] args) {

Runnable odd = () -> {

for (int i = 1; i <= 10;) {

if (EvenOddPrinter.flag) {

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

i += 2;

EvenOddPrinter.flag = !EvenOddPrinter.flag;

}

}

};

Runnable even = () -> {

for (int i = 2; i <= 10;) {

if (!EvenOddPrinter.flag) {

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

i += 2;

EvenOddPrinter.flag = !EvenOddPrinter.flag;

}

}

};

Thread t1 = new Thread(odd, "Odd");

Thread t2 = new Thread(even, "Even");

t1.start();

t2.start();

}

}

**10. File**

import java.io.\*;

import java.util.\*;

public class Product

{

public static void main(String args[])

{

File file=new File("products");

try

{

FileOutputStream fos=new FileOutputStream(file);

DataOutputStream dos=new DataOutputStream(fos);

DataInputStream dis=new DataInputStream(System.in);

StringTokenizer st;

for(int i=0;i<5;i++)

{

System.out.println("please enter the product code:");

st=new StringTokenizer(dis.readLine());

String pnum=new String(st.nextToken());

System.out.println("please enter the cost:");

st=new StringTokenizer(dis.readLine());

double cost=new Double(st.nextToken()).doubleValue();

System.out.println("please enter the quantity:");

st=new StringTokenizer(dis.readLine());

int qty=new Integer(st.nextToken()).intValue();

dos.writeBytes(pnum);

dos.writeDouble(cost);

dos.writeInt(qty);

}

dos.close();

}

catch(IOException e)

{

System.out.println("IO error."+e);

}

}

}