**/\*TECMPN-A\*/**

**Expt : 5**

**Server:**

import java.io.\*;

import java.net.\*;

class mathserver

{

public static void main(String args[])throws IOException

{

int a,b,c=0;

int n;

BufferedReader br;

PrintWriter toclient;

ServerSocket ser=null;

try

{

ser=new ServerSocket(2345);

Socket s=ser.accept();

System.out.println("Connection established");

br=new BufferedReader(new InputStreamReader(s.getInputStream()));

a=Integer.parseInt(br.readLine());

System.out.println(a+"received");

b=Integer.parseInt(br.readLine());

System.out.println(b+"received");

toclient=new PrintWriter(s.getOutputStream(),true);

toclient.println("Menu 1.Addition 2.Subtraction 3.Multiplication 4.Division Enter your choice:");

n=Integer.parseInt(br.readLine());

switch(n)

{

case 1:

{

c=a+b;

}

break;

case 2:

{

c=a-b;

}

break;

case 3:

{

c=a\*b;

}

break;

case 4:

{

c=a/b;

}

break;

}

toclient.println(c);

System.out.println("Connection closed");

}

catch( Exception e)

{

System.out.println("Error in connection");

}

}

}

**Client:**

import java.io.\*;

import java.net.\*;

class mathclient

{

public static void main(String args[])throws IOException

{

int a,b,c;

int n;

Socket s=null;

BufferedReader br,bru;

PrintWriter toserver;

try

{

s=new Socket(InetAddress.getLocalHost(),2345);

br=new BufferedReader(new InputStreamReader(System.in));

bru=new BufferedReader(new InputStreamReader(s.getInputStream()));

toserver=new PrintWriter(s.getOutputStream(),true);

System.out.println("Enter 2 numbers to be sent to the server:\nFirst number: ");

a=Integer.parseInt(br.readLine());

toserver.println(a);

System.out.println("Second number: ");

b=Integer.parseInt(br.readLine());

toserver.println(b);

System.out.println("SERVER-->"+bru.readLine());

n=Integer.parseInt(br.readLine());

toserver.println(n);

System.out.println("SERVER-->"+bru.readLine());

System.out.println("Connection closed");

}

catch(Exception e)

{

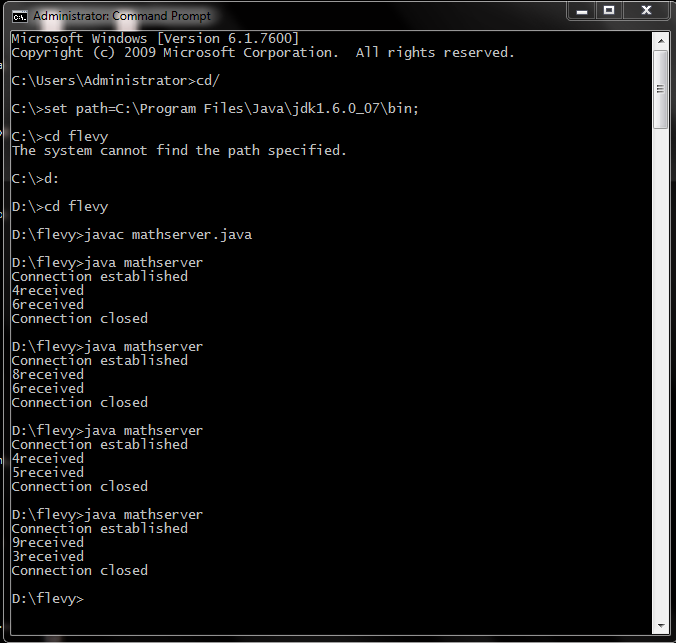
System.out.println("Error in connection");

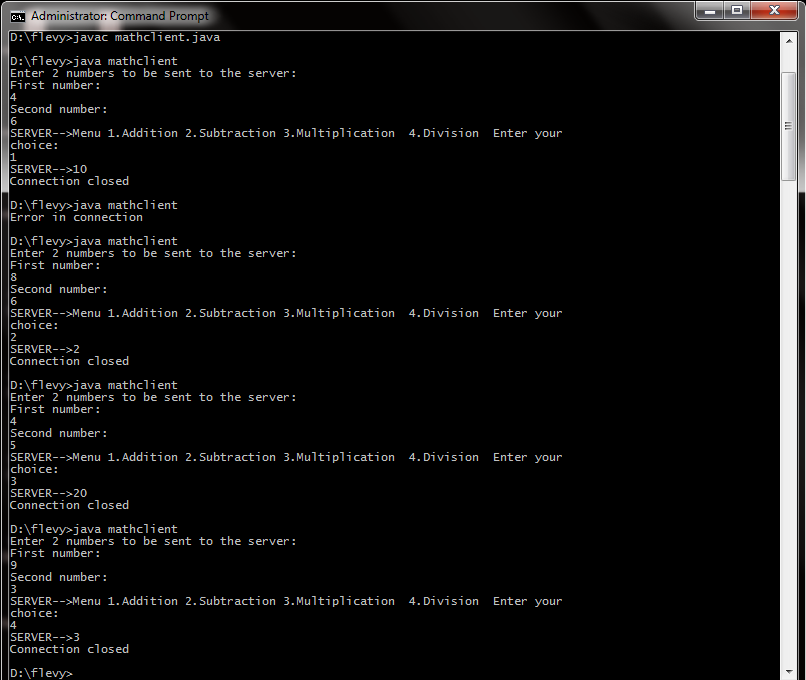
}

}

}

**/\*output:**

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**\*/**