# 18.PROBLEM:

Write a program ―DivideByZero‖ that takes two numbers a and b as input, computes a/b, and invokes Arithmetic Exception to generate a message when the denominator is zero.

# SOURCECODE:

import java.io.\*;

public class assignment18

{

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

{

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

System.out.println("Enter the A: ");

String str1=br.readLine();

int x=Integer.parseInt(str1);

int C;

System.out.println("Enter the B: ");

String str2=br.readLine();

int y=Integer.parseInt(str2);

try

{

C=x/y;

System.out.println("RESULT: "+C);

}

catch(ArithmeticException e)

{

System.out.println("Exception: "+e);

}

}

}

# OUTPUT:

Enter the A:

5

Enter the B:

0

Exception: java.lang.ArithmeticException: / by zero

# DISCUSSION:

1.In class assignment18 we take two integers value as A and B using bufferedReader.

2.Then we divide A by B and taking B as 0 so that it can generate a arithmeticexception.