

PRACTICAL:25

AIM: Write a program in Java to develop user defined exception for 'Divide by Zero' error.

PROGRAM:

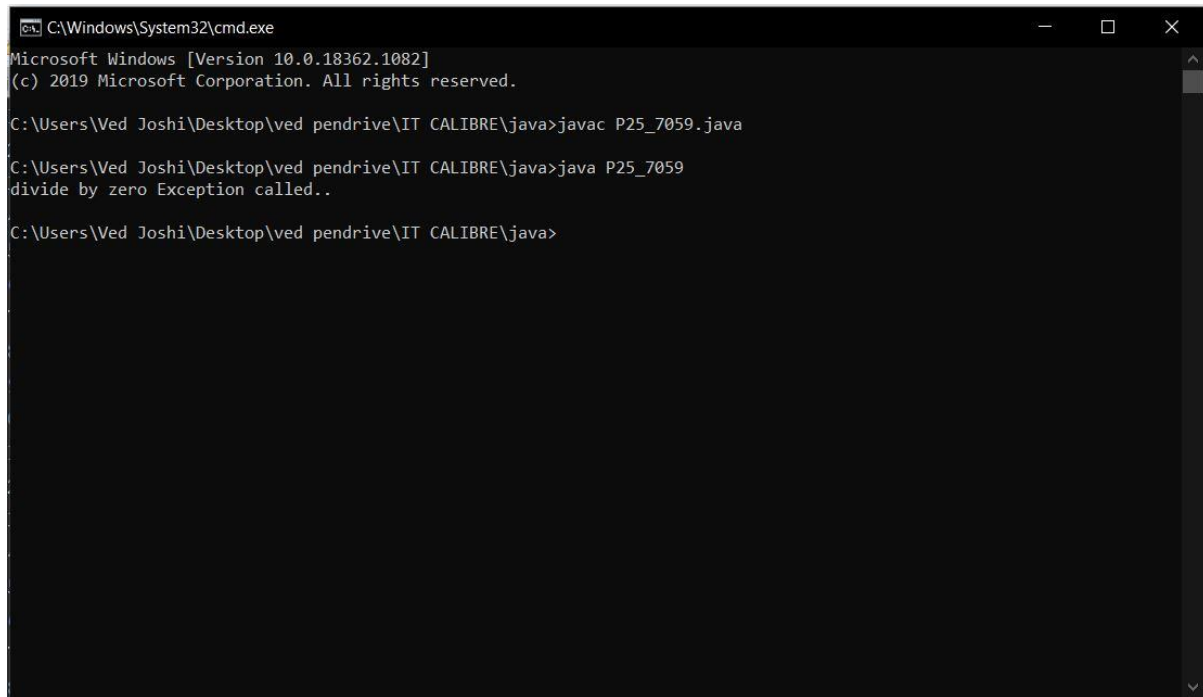
```
class MyException extends Exception
{
    private int ex;
    MyException(int a)
    {    ex=a;
    }
    public String toString()
    {    return "divide by zero Exception called..";
    }
}

public class P25_7059
{
    static int b=0;
    static void sum(int a) throws MyException
    {
        if(a>=b)
        {
            throw new MyException(a);
        }
        else
        {
            System.out.println(a);
        }
    }
}
```

```
    }  
    public static void main(String[] args)  
    {  
        try  
        {  
            int a=10;  
            sum(a);  
        }  
        catch(MyException me)  
        {  
            System.out.println(me);  
        }  
    }  
} class MyException extends Exception  
{  
    private int ex;  
    MyException(int a)  
    {    ex=a;  
  
    }  
    public String toString()  
    {    return "divide by zero Exception called..";  
  
    }  
}  
public class P25_7059  
{  
    static int b=0;  
    static void sum(int a) throws MyException
```

```
{  
    if(a>=b)  
    {  
        throw new MyException(a);  
    }  
    else  
    {  
        System.out.println(a);  
    }  
}  
  
public static void main(String[] args)  
{  
    try  
    {  
        int a=10;  
        sum(a);  
    }  
    catch(MyException me)  
    {  
        System.out.println(me);  
    }  
}  
}
```

OUTPUT:



```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18362.1082]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>javac P25_7059.java

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>java P25_7059
divide by zero Exception called..

C:\Users\Ved Joshi\Desktop\ved pendrive\IT CALIBRE\java>
```