	DATE: / /
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famal: A	
JP Lab - Assignment -	6
Aim:	
and Exception Handling in Java.	use of multi-trovading
Objective:	
Apply Multithereading in Java. Apply Exception Handling in Java	Applications.
Platjoern: Open source Java lewgeramming too Netteens-	4 like Eclipse Editory
Conclusion:	
Thus studied multithroading and exception Jena.	tion handling concepts
AAQ	
Il what we different states in a	Horead lifecycle.
two A thought can be in these states	
(D) New (y) Waiting	
3) & booked (6) Terminal	Doiting
3) 8 tocked (6) Teaminal	Rd.



of 2 What is the Thoread Schoduber?	
Ans Thouad personalism in Java is component of Jum	
Jun. This pubbes is called thouast scheduling in Jower.	
of 3 Explain thousand Racioacity?	
An Troud paisaity in Java is a number assigned to a	
thouse that is used by thouse schedular to decide which	
though should be allowed to execute. The though priority	
can be setup by Jum on programmer which is between	
1 to 10-	
Oy What are Doemon theread?	
Ans Darmon thread as a low privarity thread that sums in	
background. It is sowice provided took all other threads and	
also porjourns other tasks like growings collection. After	
all uses thereads iterminate Jum toaminates documen thoread.	
of 5 Which class is superclass for all types of except and	
exceptions in Java?	
thorowable	
And The thousands class is superclass you all types of occurse	
and exceptions in Java.	
Solver Start	





CODE:

```
import java.lang.*;
import java.util.*;
// Thread A( for arithematic operations)
class A1 extends Thread
{
```





```
A1 (int x, int y)
{
 i = x;
j = y;
public void run ()
 System.out.println ("THREAD A:: ARITHEMATIC OPERATIONS");
 System.out.println \ ("Addition" + (i + j));
 System.out.println ("Subtraction " + (i - j));
 System.out.println (" Multiplication " + (i * j));
 System.out.println ("Division " + (i/j));
 System.out.println ("Thread A Completed");
 A1 a = \text{new A1 } (x, y);
```





```
}
}
class Main
 public static void main (String args[])
 {
  Scanner s = new Scanner (System.in);
   System.out.println ("ENTER TWO VALUES FOR ARITHEMATIC OPERATIONS");
  int x = s.nextInt ();
  int y = s.nextInt
```



```
a.start ();
}
```

Output:

```
input

ENTER TWO VALUES FOR ARITHEMATIC OPERATIONS

4

2

THREAD A:: ARITHEMATIC OPERATIONS

Addition6

Subtraction 2

Multiplication 8

Division 2

Thread A Completed

...Program finished with exit code 0

Press ENTER to exit console.
```