Department of Computer Science and Engineering
Data Science

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Semester: III	**Student ID: 21107009**
Class / Branch: SE Data Science	**Date Of Performance: 13/10/2022**
Subject: OOPJ Lab	**Date Of Submission: 13/10/2022**
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Experiment No. 10

Aim:- Write a Java program to create user-defined exception.

Program 10(a):

```
public class exp9

{

static void checkAge(int age)

{

if(age<18)

{

throw new ArithmeticException("Access Denied - You must be at least 18 years

old.");

}

else

{

System.out.println("Access granted- Your are old enough!");
```

```
    }

    }

 public static void main(String[] args)

 {

 checkAge(15);

 }

 }
```

Program 10(b):

```
import java.io.IOException;
class exp10b
{
void m()throws IOException
{
throw new IOException("devie error");
}
void n()throws IOException
{
m();
}

void p()
{
try
{
n();
}
catch(Exception e)
{
System.out.println("Exception handled");
System.out.println();
```

```
        }
    }

public static void main(String args[])
{
exp10b obj= new exp10b();
obj.p();
System.out.println("Normal flow..");
    }
}
```

Output:-

Program 10(a) Output:

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ javac exp10a.java
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ java exp10a
Exception in thread "main" java.lang.ArithmeticException: Access Denied - You must be at least 18 year old.
        at exp10a.checkAge(exp10a.java:7)
        at exp10a.main(exp10a.java:16)
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$
```

Program 10(b) Output:

```
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ javac exp10b.java
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$ java exp10b
Exception handled

Normal flow..
apsit@apsit-HP-280-Pro-G6-Microtower-PC:~$
```