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Class – SE comp

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Batch – A

Assignment 5 : Write a java program which will demonstrate the exception handling : Key words try, catch, throw, throws and finally must be utilized

```
import java.util.*;
class Exception_handling
{
    String name;
    int age;
    Scanner sc=new Scanner(System.in);
    public void input()
    {
        //try - catch block
        try
        {
            System.out.println("Enter the name of the voter :");
            name=sc.nextLine();
            System.out.println("Enter the Age of voter:");
            age=sc.nextInt();
            if(age<=0)
            {
                throw new Exception("Age cannot be negative!! \n Please Enter the valid age");
            }
        }
        //throw statement
    }
}
```

```

        else if(age<18)
        {
            throw new Exception("Sorry "+this.name+" , You are not elligible for voting ");
        }
    else
    {
        System.out.println(this.name + " , You are Elligible for voting !!!");
    }
}

catch (Exception e)
{
    System.out.println("Error occurred : "+ e.getMessage());
}

//finally
finally
{
    System.out.println("Inside the Finally Block");
    System.out.println("Thank you for using our system !!!");
}
}

public void display()
{
    System.out.println("Name of the Voter:"+name);
    if(this.age<=0)
    {
        System.out.println("Age is not valid");
    }
    else

```

```
System.out.println("Age of the Voter:"+age);  
}  
  
}  
  
public class exc_implementation {  
  
    public static void main(String args[])  
    {  
        Scanner scc = new Scanner(System.in);  
        Exception_handling obj=new Exception_handling() ;  
  
        while(true)  
        {  
  
            System.out.println("    MENU    ");  
            System.out.println("   1. Input   ");  
            System.out.println("   2. Display  ");  
            System.out.println("   3. exit    ");  
  
            System.out.println("Please Enter your choice \n");  
            int choice = scc.nextInt();  
  
            switch(choice)  
            {  
                case 1: obj.input();  
                    break;  
                case 2: obj.display();  
                    break;
```

```
        case 3: System.exit(1);
            break;
    }
}
}
```

```
PS C:\Users\Karan\Desktop\java program\sem2> cd "c:\Users\Karan\Desktop\ja
; if ($?) { java exc_implementation }
    MENU
    1. Input
    2. Display
    3. exit
Please Enter your choice

1
Karan Jadhav
Enter the Age of voter:
15
Error occurred : Sorry Karan Jadhav , You are not elligible for voting
Inside the Finally Block
Thank you for using our system !!
    MENU
    1. Input
    2. Display
    3. exit
Please Enter your choice

2
Name of the Voter:Karan Jadhav
Age of the Voter:15
    MENU
    1. Input
    2. Display
    3. exit
```