

DAY-45

24 August 2023 16:05

CUSTOM UNCHECKED EXCEPTIONS

1. WRITE A PROGRAM ON CUSTM UNCHECKED EXCEPTION INDICATING A PERSON IS ELIGIBLE TO VOTE OR NOT

```
package exc;
```

```
public class NotEligibleToVoteException extends RuntimeException
{
    public String getMessage()
    {
        return "Keep calm and wait till you turn into 18";
    }
}
```

```
package exc;
```

```
import java.util.Scanner;
```

```
public class Election
{
    public static void main(String[] args)
    {
        Scanner sc = new Scanner(System.in);
        System.out.println("enter your age");
        int age = sc.nextInt();

        if (age>18)
        {
            System.out.println("welcome to voting , vote wisely!!!!");
        }
        else
        {
            throw new NotEligibleToVoteException();
        }

        System.out.println("end of voting");
    }
}
```

1. WRITE A PROGRAM ON CUSTOM CHECKED EXCEPTION TO FIND THAT PERSON IS ELIGIBLE TO GET MARRIED OR NOT

```
package exc;
```

```
public class NotEligibleToMarry extends Exception
{
    public String getMessage()
```

```

        {
            return "Please wait!!!!";
        }
    }

package exc;

import java.util.Scanner;

public class Marriage {

    public static void main(String[] args) throws NotEligibleToMarry
    {
        Scanner sc = new Scanner(System.in);

        System.out.println("enter gender");
        char gender = sc.next().charAt(0);

        System.out.println("enter age");
        int age = sc.nextInt();

        if ((gender=='m'&&age>=21) || (gender=='f'&&age>=18))
        {
            System.out.println("Happy married life");
        }
        else
        {
            throw new NotEligibleToMarry();
        }
    }
}

```

FINALLY BLOCK

- FINALLY BLOCK IS USED TO WRITE CLOSING STATEMENTS SUCH AS DATABASE CONNECTION , CLOSING FILE OR CLOSING STATEMENTS.
- FINALLY BLOCK WILL EXECUTE EVEN IF EXCEOTION OCCURS OR NOT.

```

package exc;

public class Finally1 {

    public static void main(String[] args)
    {
        try
        {
            int arr[] = new int[4];
            arr[10] = 1;
            System.out.println(arr[10]);
        }
    }
}

```

```
        finally
        {
            System.out.println("closing connection");
        }
        System.out.println("hello");
    }
}
```