

# Tutorial on LaTeX

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# OBJECTIVE

- 1) The main objective of the Login System is to manage the details of Login, Change Password, Username, Register, Programmer.
- 2) The main objective of the Login System is to manage the details of Login, Change Password, Username, Register, Programmer.
- 3) It manages all the information about Login, Password, Programmer, Login.
- 4) It tracks the details of administration

## MISCELLANEOUS DATA

**Starting Date** – 17-11-2022

**Starting Day** – Thursday

**Ending Date** – 21-11-2022

**Starting Day** – Monday

**Time Required** – 5 Days

**Total Line Of Code** – 220

**NO. of function** – 9 Number of function

**Language Used** – JAVA

**Debugger Used** – JDB

# FUNCTION DESCRIPTION

## **registration()**

It Takes a new registration

## **login()**

It takes a login name and Passaword

## **check(String nam, int pas)**

It Check Whether a login name and password is match with it or not

## **printfulldetail()**

It Print all Detail of whose registration is done

## **printdetail(int i)**

It print it a logger Detail ex= name, pass, age

## **companyinfo()**

It print a company information

# CODE

```
// Importing util package
import java.util.*;

// Creating a Registrationdetail class Which has to store a r
class Registrationdetail {
    String name;
    int pass;
    int number;
    int age;
}

// Main Class
class Loginform {

    // temp —> Total Registration has done
    static int temp = 0;

    // Object of registration Detail
    static Registrationdetail[] registrationfull = new Regi
    Registrationdetail rd = new Registrationdetail();

    // Declaring a Scanner Class
    static Scanner sc;
```

```

// Initialisation Has been done for all Registration (O
public static void initRegistration() {
    for (int i = 0; i < 20; i++) {
        registrationfull[i] = new Registrationdetail();
    }
    return;
}

// new registration has been done in registration functi
public static void registration() {
    System.out.println(registrationfull);
    if (temp >= 20) {
        System.out.println("Sorry , No More Registration'
        return;
    }

    sc = new Scanner(System.in);
    System.out.println("Enter Your Name");
    registrationfull[temp].name = sc.nextLine();
    System.out.println("Enter Your PASS");
    registrationfull[temp].pass = sc.nextInt();
    System.out.println("Enter Your NUMBER");
    registrationfull[temp].number = sc.nextInt();
    System.out.println("Enter Your AGE");
    registrationfull[temp].age = sc.nextInt();
    temp++;
    System.out.println("Thanks You for Registration");
    return;
}

```

```

// In Login check name and passaword is right or not
public static int check(String nam, int pas) {

    for (int i = 0; i < temp; i++) {
        boolean ans=true;
        for (int j=0; j<registrationfull[i].name.length
            if(registrationfull[i].name.indexOf(i) != na
                ans=false;
            }
        }
        if (ans && registrationfull[i].pass == pas) {
            return i;
        }
    }
    return -1;
}

// It print all Detail Registration
public static void printfulldetail() {
    System.out.println("<----- FULL DETAIL ----->");
    for (int i = 0; i < temp; i++) {
        System.out.println(i + " Name: " + registration
Numbrer " + registrationfull[i].number
                        + " Age " + registrationfull[i].age);
    }
    return;
}

// It print its own Detail

```

```

public static void printdetail(int i) {
    System.out.println("<-----DETAIL OF LOGGER -");
    System.out.println("Your Name: " + registrationfull[i]);
    System.out.println("Your Passaword: " + registrationfull[i]);
    System.out.println("Your Number: " + registrationfull[i]);
    System.out.println("Your Age: " + registrationfull[i]);
}

```

```

// It print it own detail after login
public static void changepass(int i){
    int oldpas,newpas;
    sc=new Scanner(System.in);
    System.out.print("Enter old pass");
    oldpas=sc.nextInt();
    System.out.println();
    System.out.print("Enter new pass");
    newpas=sc.nextInt();
    boolean checkold=checking(oldpas,i);

    if(checkold){
        registrationfull[i].pass=newpas;
    }else{
        System.out.println("Sorry , Your Old pass is Wrong");
    }
}

```

```

// making changing passaword will check old passaword
public static boolean checking(int old, int i){

```



```

        if (registrationfull[i].pass==old){
            return true;
        }else {
            return false;
        }
    }
}

// It login function
public static void login() {
    sc = new Scanner(System.in);
    System.out.print("Enter Name: ");
    String name = sc.nextLine();
    System.out.print("Enter Passaword: ");
    int pass = sc.nextInt();
    int checklogin = check(name, pass);
    if (checklogin == -1) {
        System.out.println("Incorrect password or Name");
        return;
    } else {
        System.out.println("You Are a Successfully Login");
        int presslogin = 0;
        while (true) {
            System.out.println("Press 1 to get your Det");
            System.out.println("Press 2 to get Full Det");
            System.out.println("Press 3 to change Passav");
            System.out.println("Press -1 to Quit");
            presslogin = sc.nextInt();
            if (presslogin == 1) {
                printdetail(checklogin);
                System.out.println();
            }
        }
    }
}

```

```

        } else if (presslogin == 2) {
            printfulldetail();
            System.out.println();
        } else if (presslogin == 3) {
            changepass(checklogin);
        } else {
            System.out.println("You are Quitted a L
            break;
        }
    }
}

// It print company Information
public static void companyinfo() {
    System.out.println("<----- COMPANY INFORMATION -----");
    System.out.println("Name: ABC");
    System.out.println("Number: +91XXXXXXXXXX");
    System.out.println("Address: SGSITS INDORE");
    System.out.println("No of Employees: " + temp);
    System.out.println("<----- EXIT -----");
}

/**
 * @param args
 */

// Main function
public static void main(String[] args) {
    initRegistration();
}

```

```

System.out.println("Welcome to Login-Registration");
sc = new Scanner(System.in);
int press;
while (true) {
    System.out.println("Press 1 for Registration");
    System.out.println("Press 2 for Login");
    System.out.println("Press 3 for Company Informa");
    System.out.println("Press -1 to Quit");
    press = sc.nextInt();
    if (press == 1) {
        System.out.println("Enter Detail for Registr");
        registration();
    } else if (press == 2) {
        System.out.println("Enter a Login Detail");
        login();
    } else if (press == 3) {
        companyinfo();
    } else if (press == -1) {
        break;
    } else {
        break;
    }
}
}
}

```

## OUTPUT

```
Welcome to Login-Registration
Press 1 for Registration
Press 2 for Login
Press 3 for Company Information
Press -1 to Quit
1
Enter Detail for Registration
[LjavaRegistrationDetail;@4edde6e5
Enter Your Name
Deepak
Enter Your PASS
1234
Enter Your NUMBER
91234567
Enter Your AGE
17
Thanks You for Registration
Press 1 for Registration
Press 2 for Login
Press 3 for Company Information
Press -1 to Quit
```

Figure 1: First Registration

```
Thanks You for Registration
Press 1 for Registration
Press 2 for Login
Press 3 for Company Information
Press -1 to Quit
1
Enter Detail for Registration
[Registrationdetail;@4edde6e5
Enter Your Name
Jayesh
Enter Your PASS
5678
Enter Your NUMBER
98765421
Enter Your AGE
14
Thanks You for Registration
Press 1 for Registration
Press 2 for Login
Press 3 for Company Information
Press -1 to Quit
```

Figure 2: Second Registration

```
Thanks You for Registration
Press 1 for Registration
Press 2 for Login
Press 3 for Company Information
Press -1 to Quit
1
Enter Detail for Registration
[Registrationdetail;@66a29884
Enter Your Name
Arvind
Enter Your PASS
41011
Enter Your NUMBER
4653211
Enter Your AGE
20
Thanks You for Registration
Press 1 for Registration
Press 2 for Login
Press 3 for Company Information
Press -1 to Quit
```

Figure 3: Third Registration

```
Press 3 for Company Information
Press -1 to Quit
2
Enter a Login Detail
Enter Name: Deepak
Enter Passaword: 1234
You Are a Successfully Login.
Press 1 to get your Detail
Press 2 to get Full Detail
Press -1 to Quit
1
<-----DETAIL OF LOGGER ----->
Your Name: Deepak
Your Passaword: 1234
Your Number: 98765432
Your Age: 17

Press 1 to get your Detail
Press 2 to get Full Detail
Press -1 to Quit
2
<----- FULL DETAIL ----->
0 Name: Deepak  Numbrer 98765432  Age 17
1 Name: Jayesh  Numbrer 8754216  Age 14
2 Name: Arvind  Numbrer 766765459  Age 20

Press 1 to get your Detail
```

Figure 4: Login Entering and Detail

# PROFILING

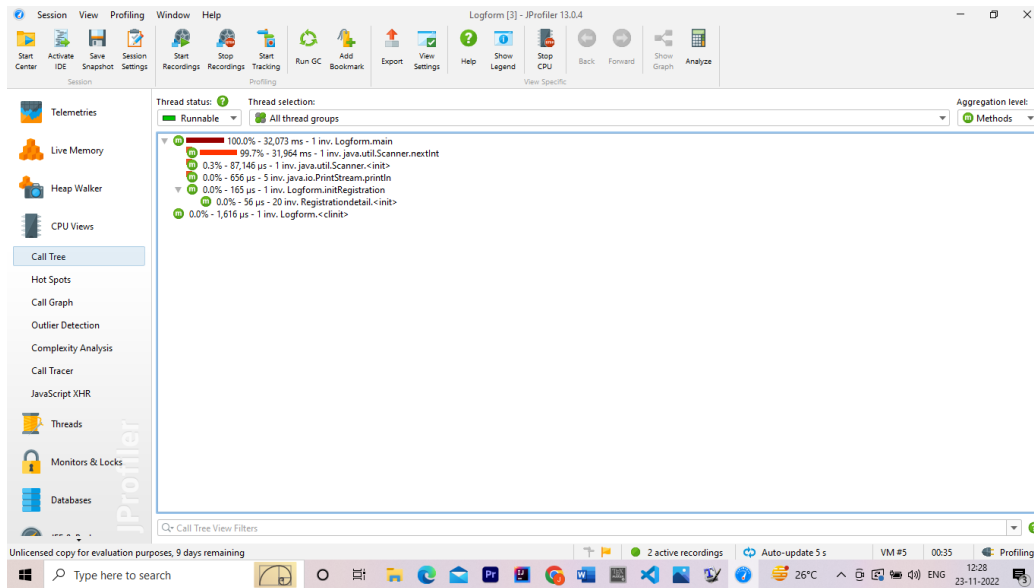


Figure 5:

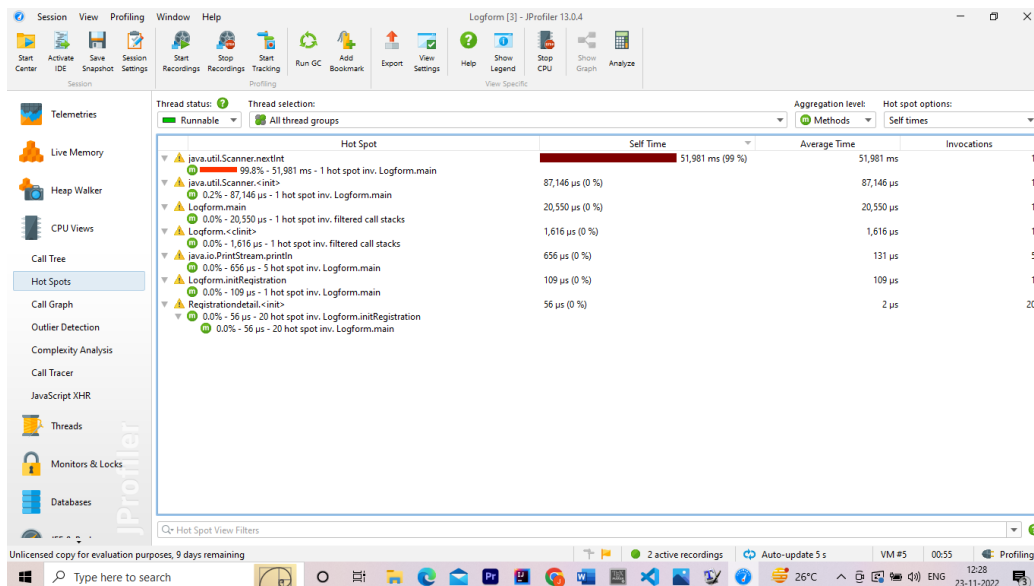


Figure 6:



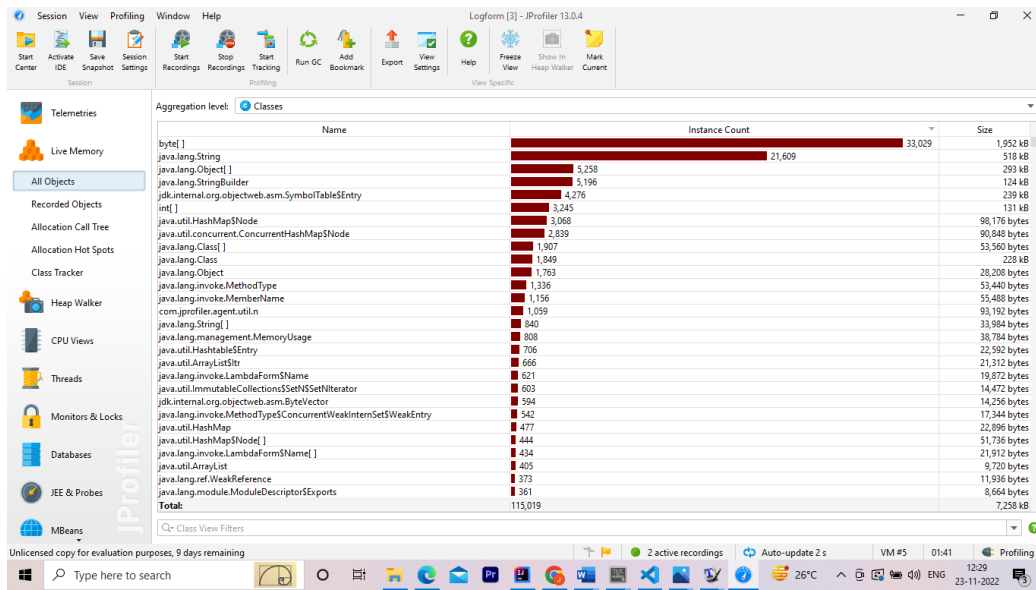


Figure 7:

## J PROFILING

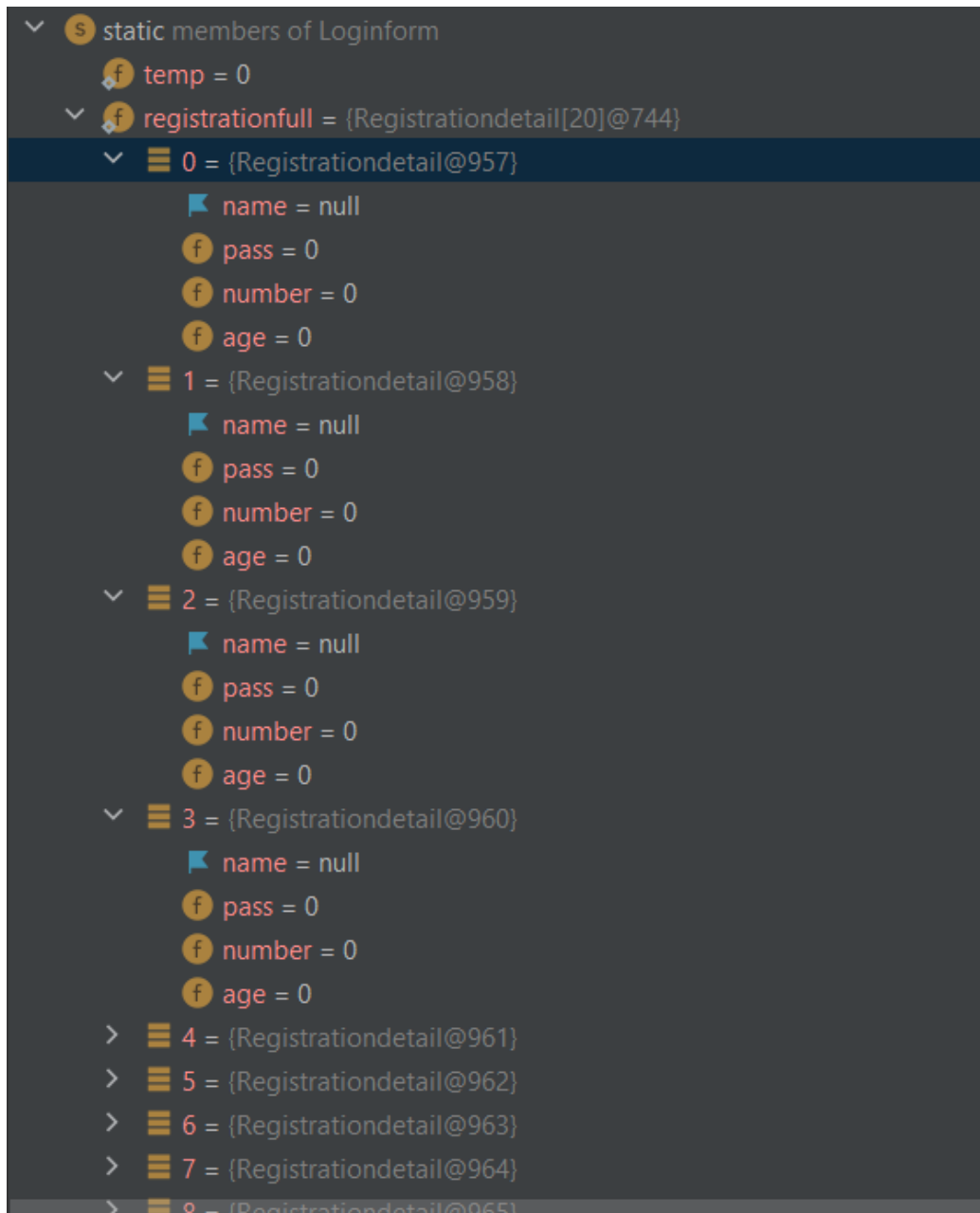


Figure 8:

```

static members of Loginform
  temp = 0
  > registrationfull = (Registrationdetail[20]@744)
  > sc = (Scanner@998) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=22][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x
  oo sc = (Scanner@998) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=22][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x(2c
  oo temp = 0
  > oo registrationfull = (Registrationdetail[20]@744)
  oo registrationfull[temp] = (Registrationdetail@957)
  > name = "Deepak"
  pass = 1234
  number = 9654212
  age = 17
  oo registrationfull[temp].age = 17

```

Figure 9:

```

static members of Loginform
  temp = 1
  > registrationfull = (Registrationdetail[20]@744)
  > sc = (Scanner@1029) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=19][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x
  oo sc = (Scanner@1029) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=19][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x(2c
  oo temp = 1
  > oo registrationfull = (Registrationdetail[20]@744)
  oo registrationfull[temp] = (Registrationdetail@958)
  > name = "Jay"
  pass = 6789
  number = 9754214
  age = 14
  oo registrationfull[temp].age = 14

```

Figure 10:

```

static members of Loginform
  temp = 2
  > registrationfull = (Registrationdetail[20]@744)
  > sc = (Scanner@1041) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=23][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x
  oo sc = (Scanner@1041) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=23][match valid=true][need input=false][source closed=false][skipped=false][group separator=\x(2c
  oo temp = 2
  > oo registrationfull = (Registrationdetail[20]@744)
  oo registrationfull[temp] = (Registrationdetail@959)
  > name = "Arvind"
  pass = 91011
  number = 9765321
  age = 20
  oo registrationfull[temp].age = 20

```

Figure 11:

```

static members of Loginform
  temp = 3
  > registrationfull = (Registrationdetail[20]@744)
  > sc = (Scanner@1041) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=25][match valid=true][need input=false][source closed
  press = 2
  > oo sc = (Scanner@1041) "java.util.Scanner[delimiters=\p(javaWhitespace)+][position=25][match valid=true][need input=false][source closed

```

Figure 12:

```

> static members of Loginform
  pass = 1234
> name = "Deepak"
> sc = {Scanner@1058} "java.util.Scanner[delimiters=\p{javaWhitespace}+][position=11][mat

```

Figure 13:

```

static members of Loginform
  temp = 3
> registrationfull = {Registrationdetail[20]@744}
> sc = {Scanner@1058} "java.util.Scanner[delimiters=\p{javaWhitespace}+][position=13][match valid=true][need input
  i = 0
  registrationfull[i].pass = 1234
> registrationfull[i] = {Registrationdetail@957}
> registrationfull = {Registrationdetail[20]@744}
  registrationfull[i].age = 17
  registrationfull[i].number = 9654212

```

Figure 14:

```

> static members of Loginform
  old = 1234
  i = 0
  registrationfull[i].pass = 1234
> registrationfull[i] = {Registrationdetail@957}
  name = "Deepak"
  pass = 1234
  number = 9654212
  age = 17
> registrationfull = {Registrationdetail[20]@744}

```

Figure 15:

```
> s static members of Loginform
01 oldpas = 1234
01 checkold = true
p i = 0
01 newpas = 4321
oo registrationfull[i].pass = 1234
> oo registrationfull[i] = {Registrationdetail@957}
> oo registrationfull = {Registrationdetail[20]@744}
```

Figure 16: