



## Fundamentals of Programming II Lab 01

```
package myfirstjavaapplication;
public class MyFirstJavaApplication {
    public static void main(String[] args) {
        // TODO code application logic here
        System.out.println("Hello World"); // prints Hello World
    }
}
```

```
package mysecondjavaprogram;
public class MySecondJavaProgram {
    public static void main(String[] args) {
        int a = 10;
        int b = 20;
        int c = 25;
        int d = 25;
        System.out.println("a + b = " + (a + b) );
        System.out.println("a - b = " + (a - b) );
        System.out.println("a * b = " + (a * b) );
        System.out.println("b / a = " + (b / a) );
        System.out.println("b % a = " + (b % a) );
        System.out.println("c % a = " + (c % a) );
        System.out.println("a++ = " + (a++) );
        System.out.println("b-- = " + (b--) );
        // Check the difference in d++ and ++d
        System.out.println("d++ = " + (d++) );
        System.out.println("++d = " + (++d) );
    }
}
```

```
package mythirdjavaprogram;
public class MyThirdJavaProgram {
    public static void main(String[] args) {
        int a = 10;
        int b = 20;
        System.out.println("a == b = " + (a == b) );
        System.out.println("a != b = " + (a != b) );
        System.out.println("a > b = " + (a > b) );
        System.out.println("a < b = " + (a < b) );
        System.out.println("b >= a = " + (b >= a) );
        System.out.println("b <= a = " + (b <= a) );
    }
}
```

```
package mythirdjavaprogram2;
import java.util.Scanner;
public class MyThirdJavaProgram2 {
    public static void main(String[] args) {
```

```

String first_name, last_name, comment;
int id,level, gained_credit_hours;
float GPA;
Scanner s=new Scanner(System.in);
System.out.printf("\nEnter Your ID (integer):");
id=s.nextInt();
System.out.printf("\nEnter Your first name:");
first_name=s.next();
System.out.printf("\nEnter Your family name:");
last_name=s.next();
System.out.printf("\nEnter Your Level(1,2,3,4):");
level=s.nextInt();
System.out.printf("\nEnter Your Gained Credit hours till
now (integer):");
gained_credit_hours=s.nextInt();
System.out.printf("\nEnter Your your GPA (float):");
GPA=s.nextFloat();
System.out.printf("\ntype your comments (ended by
Enter):");
comment=s.next();

System.out.printf("\n*****
*****");
System.out.printf("\nID\t%d\nname\t%s
%s\nLevel\t%d\nCH\t%d\nGPA\t%f",
id, first_name, last_name, level,
gained_credit_hours, GPA);
System.out.println("\nCommnet:\n"+comment);
}
}

```

```

package mythirdjavaprogram3;
import javax.swing.JOptionPane;
public class MyThirdJavaProgram3 {
    public static void main(String[] args) {
        String user_input;
        float Width, hight, area;
        user_input=JOptionPane.showInputDialog("Width","0");
        Width=Float.parseFloat(user_input);
        user_input=JOptionPane.showInputDialog("Hight","0");
        hight=Float.parseFloat(user_input);
        area=Width*hight;
        JOptionPane.showMessageDialog(null, "Rectangle Area =
"+area,"Rectangle", JOptionPane.INFORMATION_MESSAGE);
    }
}

```