

**King Saud University**  
**College of Computer & Information Science**  
**CSC111 – Lab01**  
**Hello World**  
**All Sections**

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### Lab Exercise 1 (30 mins)

Write a java program that prints the following (along with a new line at the end):

`Welcome`

Class name should be `HelloWorld`

### Solution

- 1- Create a new project in eclipse and name it lab01
- 2- Create a new class and name it HelloWorld. Make sure you choose the public static void main option.
- 3- Write the program as following:

```
public class HelloWorld {  
    public static void main(String[] args) {  
        System.out.println("Welcome");  
    }  
}
```

- 4- When you are done, save your program and run it. Make sure it prints the output as shown above.

## Lab Exercise 2 (30 min)

Write a java program that does the following:

- 1- Defines two integer variables x, y
- 2- Assigns x the value 8.
- 3- Assigns y the value 4.
- 4- Prints the addition of x and y ( $x + y$ ) in a new line.
- 5- Prints the multiplication of x and y ( $x * y$ ) in a new line.
- 6- Prints the value of adding x to itself then to y ( $x + x + y$ ) in a new line.
- 7- Defines a new double variable z then assign it the value of dividing x by y ( $x/y$ ).
- 8- Prints the value of z in a new line.

Name your class `Variables`

Here is a sample output:

```
x + y = 12
x * y = 32
x + x + y = 20
z = 2.0
```

## Solution

- 1- Use the project **lab01**
- 2- Create a new class and name it **Variables**. Make sure you choose the `public static void main` option.
- 3- Complete the following pseudocode:

```
public class Variables {  
    public static void main(String[] args) {  
        int x = 8;  
        /* define variable y */  
        System.out.println("x + y = " + (x + y));  
        System.out.println(/* ..... */);  
        /* ..... */  
        /* data type */ z = x / y;  
        /* ..... */  
    }  
}
```

**Done...**