Tutorial 01
Primitive Types | Variables | Assignment

Exercise 1:

❏ What is the output of the following program?

```
public class HelloWorld {
  public static void main(String[] args) {
    System.out.println("Hi");System.out.print("Welcome to
CSC111.");
    System.out.print("This is a great course.");
    System.out.print(";)");
  }
}
```

Exercise 2:

❏ Define an int variable named x and assign it the value 8.
❏ Define an int variable named xyz and assign it the value 100.
❏ Define a String variable named hi_all and assign it the value "Hi all". Use two separate
statements for declaration and definition (assignment).
❏ Define a variable addResult of type double and assign it the value of adding variable xyz to x.

Exercise 3:

❏ What is wrong with the following statements (assume variables are defined when needed):

```
3 = x;
Double my-var = 7.3;
3 + x = y;
y – x = z + x;
System.out.println("x " x);
```

Exercise 4:

❏ What is the output of the following program? Can we improve output formatting?

```
public class HelloWorld {
  public static void main(String[] args) {
    int x = 10;
    System.out.print("x" + x + ", ");
    double y = 2.2;
    y = y * x;
    System.out.println("y: " + y);
  }
}
```

Tutorial 01 Solutions

Exercise 1:

```
Hi
Wlcome to CSC111.This is a great course.;)
```

Exercise 2:

- ❏ Define an int variable named x and assign it the value 8
  ```
  int x = 8;
  ```
- ❏ Define an int variable named xyz and assign it the value 100
  ```
  int xyz = 100;
  ```
- ❏ Define a String variable named hi_all and assign it the value "Hi all". Use two separate statements for declaration and definition (assignment)
  ```
  String hi_all;
  hi_all = "Hi all";
  ```
- ❏ Define a variable addResult of type double and assign it the value of adding variable xyz to x
  ```
  double addResult = x + xyz
  ```

Exercise 3:

```
Wrong                        Explanation
3 = x;                       assignment's left side of is a
variable
Double my-var = 7.3;         variable's name cannot contain '-'
3 + x = y;                   assignment's left side of is a
variable
y – x = z + x;               assignment's left side of is a
variable
System.out.println("x " x); + must be used to concatenate strings
```

Exercise 4:

```
x10, y: 2.2
```