

Assignment 1

Exercise 1

Why is a programming style important?

Exercise 2

```
public class Test { }
```

In order to compile this program, what name should you give to the file?

Exercise 3

```
int x = 2;  
int y = 1;  
x *= y + 1;
```

What is the value of x at the end?

Exercise 4

```
public class Test{  
    public static void main(String[] args)  
    {  
        int month = 012;  
        System.out.println("the month is " + month);  
    }  
}
```

Is this program correct?

Is so, what does this program print, why?

If not, why?

Exercise 5

```
int x = 1;  
int y = ++x + x;
```

1) What is the value of y at the end, why?

```
int x = 1;  
int y = x+ ++x;
```

2) What is the value of y at the end, why?

```
int y = x+ ++x;  
int y = x++ + x;
```

3) What is the value of y at the end, why?

Exercise 6

```
public class Test{  
    public static void main(String[] args)  
    {  
        int x;  
        int y = x + 1;  
        System.out.println(y);  
    }  
}
```

Is this program correct?

If so, what does it print?

If not, why?

Exercise 6

Write a program that reads an integer input, and prints the corresponding month. If the input is larger than 12 or smaller than zero, it should display an error message.

EXAMPLE:

If the user writes 4, the program should print "April"

If the user writes 0, the program should print "Invalid month number"

Exercise 7

Write a programs that reads three numbers and prints their average