

# Problem Sets

## Java Programming

Exercise.1. How to define a variable with value 5;

Exercise.2. How to define a variable with value 3.14;

Exercise.3. How to define a function can implement multiplication of integers;

Exercise.4. What's the output of the code?

```
public static void main(String args[]) {  
    int a = 10;  
    int b = 15;  
    int c;  
    if (a > 50) {  
        b = 9;  
    }  
    c = b + a;  
    System.out.println(c);  
}
```

Exercise.5. What's the output of the code?

```
public static void main(String[] args) {  
    int num = 100;  
    for(int i=0;i<=100;i++) {  
        int num = num-1;  
    }  
    System.out.println(num);  
}
```

Exercise.6. What's the code in the blank line to compute  $n!$  ?

```
public static void main(String[] args) {  
    int num = 1;  
    for(int i=2;i<=10;i++) {  
        // What's the code here ?  
    }  
    System.out.println(num);  
}
```

## Shell Commands

Exercise.1. How to check what files are in "D:/Code" ?

Exercise.2. How to go to "D:/Code" ?

Exercise.3. How to list all ".java" files in "D:/Code" ?

Exercise.4. How to delete file "Add.java" in "D:/Code" (Suppose you have been in "D:/Code")?

Exercise.5. How to change file "Add.java" into "Subs.java"?

Exercise.6. How to copy file "Add.java" into "E:/Task"?

Exercise.6. How to copy file "Add.java" into "E:/Task" with a new name "Subs.java"?

Exercise.6. How to go to "E:/Task" when you're in "E:/Task/Code"?