Homework #1

Read Textbook Chap.1.3, 1.7, 1.8, 1.9, 1.10 and answer the following questions:

1. What language does the CPU understand?

➔

2. What is a high-level programming language? What is a source program?

➔

3. What is an interpreter? What is a compiler?

➔

4. What is the difference between an interpreted language and a compiled language?

➔

5. What is a keyword? List some Java keywords.

➔

6. What is a comment? Is the comment ignored by the compiler? How do you denote a comment line and a comment paragraph?

➔

7. What is the statement to display a string on the console?

➔

8. Show the output of the following code:

```java
public class Test {
  public static void main(String[] args) {
    System.out.println("3.5 * 4 / 2 - 2.5 is ");
    System.out.println(3.5 * 4 / 2 - 2.5);
  }
}
```

➔

9. Reformat the following program according to the programming style and documentation guidelines. Use the end-of-line brace style.

```java
public class Test
{
  // Main method
  public static void main(String[] args) {
  /** Display output */
  System.out.println("Welcome to Java");
  }
}
```

➔

10. Identify and fix the errors in the following code: (4 errors)

```java
1  public class Welcome {
2    public void Main(String[] args) {
3      System.out.println('Welcome to Java!');
4    }
5  )
```

➔