Assignment – 1

A1. Because it is a reliable way of storing data, but computers only understand 1’s and 0’s.

A2. IDE – Integrated Development Environment.

A3. A code editor offers more functionality than a text editor.

A4. 1. Problem definition

2. problem analysis

3. Algorithm development

4. Coding and documentation

5. Testing and debugging

6. Maintenance

A5. 1. C17 latest version of C language

2. Dennis Ritchie developed the C language

3. System software is used for operating computer hardware. On other hand Application software are installed according to user’s requirement.

4. By dividing the given number repeatedly by 2 until we get 0 as the quotient. Then, we write the remainders in the reverse order to get the binary value of the given decimal value.