Assignment 1

1. Why do computers understand only binary language?

Ans. Computers are made of software’s which understand only binary language. They contain RAM (Random Access Memory) which are made of capacitors. When the capacitors are charged, the state is called ‘1’ and when it contains no charge, it is called ‘0’.

2. What is the full form of IDE?

Ans. Integrated Development Environment

3. What is the difference between a text editor and a code editor?

Ans. Text editor is a platform in which you can write any code. Text editor identifies the language and gives different colors to the keywords which makes it easy for us to understand the errors.

4. What are the steps to develop software using the C language?

Ans. 1. Writing the code

2. Building the code

5. Explore by your own

a. What is the latest version of C Language?

Ans. C17

b. Who developed C Language?

Ans. Dennis Ritchie

c. What is the difference between System and Application Software?

Ans. System software is used to operate a computer system, but the Application Software is installed based on user’s necessities.

d. How to convert a number from a decimal number system to a binary number

system?

Ans. Divide the decimal number by 2 and store the value as reminder. Repeat this process until the remainder is zero.

Assignment - 2

1. Which of the following are real constants?

3, ‘A’, 4.5, 3.0, ‘+’, -25, -0.0

Ans. 4.5, 3.0, -0.0

2. Which of the following are not keywords in C Language?

auto, dynamic, static, typedef, define, enum, is, default, this, super

Ans. dynamic, is, this, super

3. Which of the following is not a valid variable name in C language?

4. Can we make a variable with the name switch? (Yes or No)

Ans. No

5. Keywords are defined in the compiler or their meaning is stored in the library?

Ans. Keywords are defined in the compiler.

6. Where variables are created? (RAM, ROM, Secondary Storage or CPU)

Ans. CPU

7. Who developed C Language?

Ans. Dennis Ritchie

8. When was the C language developed?

Ans. 1972

9. What is the name of the operating system which is responsible for the inception of the C language?

Ans. UNIX

10. Whether C language is a high level or low level programming language?

Ans. High level programming language