

**Iqra University**

**Islamabad Campus**

**Computer Organization and Assembly Language**

**Assignment # 2 - Spring 2024 Semester**

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| **Question.1** | | **Write a simple program that uses symmetric encryption, a process by which the same key is used for both encryption and decryption. The following steps occur in order at runtime:**   1. **The user enters the plain text.** 2. **The program uses a single-character key to encrypt the plain text, producing the cipher text,which is displayed on the screen.** 3. **The program decrypts the cipher text, producing and displaying the original plain text.Here is sample output from the program:** | **CLO 2** |
| **Question.2** | | **Write a program that displays the same string in four different colors, using a loop. Call the Set-TextColor procedure from the book’s link library. Any colors may be chosen, but you may find it easiest to change the foreground color.** | **CLO 2** |
| **Question.3** | | **Write a sequence of statements using indexed addressing that copies an element in a doubleword array to the previous position in the same array.** | **CLO 2** |