

1. public static string ReadFile(string filePath)

```
public static string ReadFile(string filePath)
{
    return File.ReadAllText(filePath);
}
```

2. public static void SendEmail(string to, string subject, string body)

```
public static void SendEmail(string to, string subject, string body)
{
    SmtpClient client = new SmtpClient();
    client.Send(to, subject, body);
}
```

3. public static int GenerateRandomNumber()

```
public static int GenerateRandomNumber()
{
    return new Random().Next();
}
```

4. public static void UpdateDatabase(int id, string value)

```
public static void UpdateDatabase(int id, string value)
{
    using (SqlConnection connection = new SqlConnection("Data Source=mydatabase"))
    {
        connection.Open();
        SqlCommand command = new SqlCommand("UPDATE table SET value = @value WHERE id = @id",
connection);
        command.Parameters.AddWithValue("@value", value);
        command.Parameters.AddWithValue("@id", id);
        command.ExecuteNonQuery();
    }
}
```

5. public static string MakeNetworkRequest(string url)

```
public static string MakeNetworkRequest(string url)
{
    using (HttpClient client = new HttpClient())
    {
        HttpResponseMessage response = client.GetAsync(url).Result;
        return response.Content.ReadAsStringAsync().Result;
    }
}
```

6. public static void LogMessage(string message)

```
public static void LogMessage(string message)
{
    Console.WriteLine(message);
}
```

7. public static Guid GenerateUniqueId()

```
public static Guid GenerateUniqueId()
{
    return Guid.NewGuid();
}
```

8. public static string EncryptString(string plaintext)

```
public static string EncryptString(string plaintext)
{
    using (Aes aes = Aes.Create())
    {
        byte[] encryptedBytes = aes.Encrypt(plaintext);
        return Convert.ToBase64String(encryptedBytes);
    }
}
```

9. public static void SendNotification(string message)

```
public static void SendNotification(string message)
{
    using (NotificationService service = new NotificationService())
    {
        service.Send(message);
    }
}
```

10. public static int GenerateHashCode(string value)

```
public static int GenerateHashCode(string value)
{
    return value.GetHashCode();
}
```