**Paper Test**

1. **Valid Parentheses:**

**- Implement:**

+ Use a loop to find characters in a string,

+ Use switch case to find the sign '(', '[','{'.If yes, push to the stack variable ‘)’,’]’,’}’.

+ Check the stack variable.

**Code C#:**

public static bool CheckValid(string s)

        {

            Stack<char> checkStack = new Stack<char>();

            foreach (var Temp in s)

            {

                switch (Temp)

                {

                    case '(':

                        checkStack.Push(')');

                        break;

                    case '{':

                        checkStack.Push('}');

                        break;

                    case '[':

                        checkStack.Push(']');

                        break;

                    case ')':

                    case '}':

                    case ']':

                        if (checkStack.Count ==0 || checkStack.Pop() != Temp)

                        {

                            return false;

                        }

                        break;

                }

            }

            return checkStack.Count == 0;

        }

1. **Valid Anagram:**

**Code C#:**

using System;

namespace PaperTest

{

    class Program

    {

        public static bool CheckAnagram(string s, string t)

        {

            var str1 = s.ToCharArray();

            var str2 = t.ToCharArray();

            Array.Sort(str1);

            Array.Sort(str2);

            return new string(str1) == new string(str2);

        }

        public static void Main(string[] args)

        {

            Console.WriteLine(CheckAnagram("anagram", "nagaram"));

            Console.WriteLine(CheckAnagram("rat", "car"));

        }

    }

}