public static bool IsPostiveInteger(string value)

{

Regex objNotNaturalPattern = new Regex("[^0-9]");

Regex objNaturalPattern = new Regex("0\*[1-9][0-9]\*");

return !objNotNaturalPattern.IsMatch(value) && objNaturalPattern.IsMatch(value);

}

public static bool IsInteger(string value)

{

Regex objNotIntPattern = new Regex("[^0-9-]");

Regex objIntPattern = new Regex("^-[0-9]+$|^[0-9]+$");

return !objNotIntPattern.IsMatch(value) && objIntPattern.IsMatch(value);

}

public static bool IsPositiveNumber(string value)

{

Regex objNotPositivePattern = new Regex("[^0-9.]");

Regex objPositivePattern = new Regex("^[.][0-9]+$|[0-9]\*[.]\*[0-9]+$");

Regex objTwoDotPattern = new Regex("[0-9]\*[.][0-9]\*[.][0-9]\*");

return !objNotPositivePattern.IsMatch(value) && objPositivePattern.IsMatch(value) && !objTwoDotPattern.IsMatch(value);

}

public static bool IsNumber(string value)

{

Regex objNotNumberPattern = new Regex("[^0-9.-]");

Regex objTwoDotPattern = new Regex("[0-9]\*[.][0-9]\*[.][0-9]\*");

Regex objTwoMinusPattern = new Regex("[0-9]\*[-][0-9]\*[-][0-9]\*");

String strValidRealPattern = "^([-]|[.]|[-.]|[0-9])[0-9]\*[.]\*[0-9]+$";

String strValidIntegerPattern = "^([-]|[0-9])[0-9]\*$";

Regex objNumberPattern = new Regex("(" + strValidRealPattern + ")|(" + strValidIntegerPattern + ")");

return !objNotNumberPattern.IsMatch(value) && !objTwoDotPattern.IsMatch(value) && !objTwoMinusPattern.IsMatch(value) && objNumberPattern.IsMatch(value);

}

public static bool IsDecimal(string value, int beforeDecimal, int afterDecimal)

{

return new Regex("^[-+]?\\d{1," + beforeDecimal.ToString() + "}(\\.\\d{1," + afterDecimal.ToString() + "})?$").IsMatch(value);

}

public static bool IsPositiveDecimal(string value, int beforeDecimal, int afterDecimal)

{

return new Regex("^[+]?\\d{1," + beforeDecimal.ToString() + "}(\\.\\d{1," + afterDecimal.ToString() + "})?$").IsMatch(value);

}