

Convert Cyrillic to Latin

Article

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Hello everyone!

Recently I search how to convert Cyrillic to Latin with Cache Object Script, but didn't find anything and decided to write ourselves,

So here code:

```
//Create Class method

ClassMethod convertRussionToEnglish(word As %String)
{

    //add array of transliteration system
    Set convertArray = $LB(
        $LB("?", "a"), $LB("?", "b"), $LB("?", "v"), $LB("?", "g"), $LB("?", "d"), $LB("?", "e")
    , $LB("?", "e"), $LB("?", "zh"), $LB("?", "z"),
        $LB("?", "i"), $LB("?", "y"), $LB("?", "k"), $LB("?", "l"), $LB("?", "m"), $LB("?", "n")
    , $LB("?", "o"), $LB("?", "p"),
        $LB("?", "r"), $LB("?", "s"), $LB("?", "t"), $LB("?", "u"), $LB("?", "f"), $LB("?", "kh")
    ), $LB("?", "ts"), $LB("?", "ch"),
        $LB("?", "sh"), $LB("?", "shch"), $LB("?", "y"), $LB("?", "e"), $LB("?", "yu"), $LB("?",
    , "ya"), $LB("?", ""), $LB("?", ""),
        $LB("?", "A"), $LB("?", "B"), $LB("?", "V"), $LB("?", "G"), $LB("?", "D"), $LB("?", "E")
    , $LB("?", "E"), $LB("?", "ZH"), $LB("?", "Z"),
        $LB("?", "I"), $LB("?", "Y"), $LB("?", "K"), $LB("?", "L"), $LB("?", "M"), $LB("?", "N")
    , $LB("?", "O"), $LB("?", "P"),
        $LB("?", "R"), $LB("?", "S"), $LB("?", "T"), $LB("?", "U"), $LB("?", "F"), $LB("?", "KH")
    ), $LB("?", "TS"), $LB("?", "CH"),
        $LB("?", "SH"), $LB("?", "SHCH"), $LB("?", "Y"), $LB("?", "E"), $LB("?", "YU"), $LB("?",
    , "YA"), $LB("?", ""), $LB("?", "")
    )

    //word Example

    Set wordToConvert = "?????? ???? ?????"
    Set wordToConvertLength = $L(wordToConvert)

    Set cnt=$ListLength(convertArray)
    Set latinWord = ""

    //and with cycle get each letter and parse in transliteration array
    for i=1:1:wordToConvertLength {
```

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Published on InterSystems Developer Community (<https://community.intersystems.com>)

```
Set cyrillicWord = $E(wordToConvert,i)

for j=1:1:cnt {
    Set codes=$ListGet(convertArray,j)
    Set cyrillicLetter=$ListGet(codes,1)
    Set latinLetter=$ListGet(codes,2)

    if cyrillicLetter=cyrillicWord {
        Set cyrillicWord = latinLetter
    }
}
Set latinWord = latinWord_cyrillicWord

}
//Get result of convert
Quit latinWord

}
```

20 0 10 360 2

Source URL: <https://community.intersystems.com/post/convert-cyrillic-latin>