

msL`v t\_†K KÚ`†

gvneƒ g†k® mgb

tgevbJ tdv†bi w†c†cBW mwf††n KL†bv e`envi K†i †Qb wK? Gai †bi mwf††m Avcbvi GKvD†U KZ UvKv ewK Av†Q Zv Rvbvi Rb` GKwU tdvb bv†vi \_v†K thLv†b tdvb Ki †j Avcwb †R†b wb†Z cvi †eb Avcbvi GKvD†U KZ UvKv Rgv Av†Q wKsev KZ wej ewK coj | Gai †bi mwf††m GK ai †bi mdUl q`vi e`envi Ki v nq thwU †Kvb GKwU WvUv†eB†R i w†† Z Avcbvi wej †R†b wb†q Zv†K KÚ`†i ev k†ã i "cvš†i Z K†i Avcbv†K †kvbvq| G †j LwU†Z Gi KgB msL`v t\_†K KÚ`†i cwi eZ†bi GKwU mdUl q`v†i i eY†v †` qv n†e| c†i v mdUl q`vi wUi eY†v bv w` †q Gi gj wel qwU Av†j vPbv Ki e - hv†Z K†i Avcwb th†Kvb Kv†R GwU e`envi Ki †Z cv†i b : thgb, K\_v ej v Nwo wKsev Dc†i ewbZ †Kvb GKwU mwf††m msh† K†i †` qv| hvB tnvK GB c†i v w††÷ gwU Avgvi wb†Ri Ki v - ZvB th †Kvb mnv††i Rb` ev tmvm††KwWwUi Rb` B†gBj Ki †Z cv†i b : [udvranto@hotmail.com](mailto:udvranto@hotmail.com)| Kvh†xwZ : c†\_gZ Avcwb hw` c†ZwU msL`vi Rb` GKwU K†i kã ti KW†K†i i v†Lb Ges c†ZwU msL`vi Rb` tmB kã †kvbvi e`e` v Ki †Z Pvb Zv††j e`vcvi wU †c†M†wgs Ki evi Rb` tmvRv n†e wKš' †gvUvgwU Aev` e n†e| †Kbbv tm††††† Avcbv†K `† †KwU msL`vi Rb` `† †KwU kã ti KwW® Ki †Z n†e Ges Avcbvi mdUl q`v†i i mv†\_ GB `† †KwU dvBj e`envi Ki †Z n†e| wb†qB e††Z cvi †Qb e`cvi wU KZUv Aev` e| ZvB `i Kvi weKí wPšv| Avmp †` Lv hvK GKwU msL`v†K wKfv†e k†ã i "cvš†i Z Ki v hvq|

B††i Rx msL`v i "cvš†i Ki v Zj bvgj K fv†e tmvRv| B††i Rx†Z msL`v e`envi Ki vi Rb` e`eüZ kã , †j v n†"Q 00negative, zero, one, two, three, four, five, six, seven, eight, nine, ten, eleven, twelve, thirteen, fourteen, fifteen, sixteen, seventeen, eighteen, nineteen, twenty, thirty, forty, fifty, sixty, seventy, eighty, ninety, hundred, thousand, million00| mg` -B††i Rx msL`v†K GB kã , †j vi web`v†m mWR††q k†ã cwi bZ Ki v hvq| ZvB GB kã , †j vi KÚ`†† ti KW†Kiv \_vK†j th†Kvb msL`v†K c†\_†g k†ã Ges Zvi ci Abj†c KÚ`††i cwi YZ Ki v hvq|

evsj vi †ej vq e`cvi wU GKU†RwUj | †Kbbv evsj v k†ã i mwÜ e`vcvi wUi Kvi †b A†bK kãB evbvMZ Ges D`Pvi YMZ fv†e G†Kev†i e`†j hvq| thgb 78 msL`wUi evsj v AvU m†i bq ei s AvUv†i | ZvB AvU Avi m†i e`envi K†i msL`wU c†KvK Ki v m†e bq, thgbwU m†e B††i Rxi †ej vq| Z†e tmš†vM` GB th GKk†Zi Dc†i i msL`v, †j v Avevi mwÜ wbq†gi Avl Zvq c†o bv| ZvB evsj vi ††††† Avgi v th KqWU kã e`envi K†i msL`v†K fvl vq cwi bZ Ki e tm, †j v nj 00we††qvm†evaK, GK, `†, ..., wbi vbeYB, kZ, nvRvi , j ††, †KwU00| Av†i v GKwU Sv†gj v Av†Q evsj v e`env†i i | †Kvb Acv†i wUs w††÷ g ev K†úvBj vi B GLbl evsj v mv†cvU†c† vb K†i wb| ZvB †c†M†wgs Ki vi mgq Avcbv†K wfZ†i i e`vcvi , †j v†Z D`Pvi YMZ fv†e evsj vi Abj†c B††i Rx kã e`envi Ki †Z n†e|

wfRq`vj tewmK 6.0 e`envi Kti mdUI q`vi wU wbg@b:  
 Avcb thtKvb j `v½tqR e`envi Kti tc0M0gwU Ki tZ cvti b| Awig  
 Gt¶ t¶ wfRq`vj tewmK e`envi Kti wQ|

avc:

- 1| c0\_tg GKwU ÷ `v0vW BG· B c¶R± Lj |b|
- 2| Gi ci c¶R± > Kt±úv¶b>U tgbyt\_¶K 0gvBtµ vmdU  
 gwè wgwWqv Kt>Uvj 6.00 wmtj ± Ki "b|
- 3| wewf bæevUb, tU· U e· di tg hß Ki "b Ges GKwU  
 0MMContro0 hß Ki "b|

Kt±úv¶b>U wj ÷ :

di gwU 0frmMain0 bvtg e`envi Ki v ntqtQ|

1| evUb mgn : cmdAbout,cmdExit (tc0M0g Uwg¶bk b evUb)

2| tj tej mgn : lblNumber (msL`v tbevi tUK ÷ e· tj tej ),  
 lblLanguage (fvl v evQvB Ki evi tj tej )

3| tUK ÷ e· mgn :txtNumber (msL`v tbevi tUK ÷ e· ),  
 txtTranslatedNumber (fvl vq cKwkZ msL`v)

4| Kt±úv e· : cmbLanguage (fvl v evQvB Ki evi Wc WDb wj ÷ )

5| Ab`vb` Kt>Uvj : VoicePlayer (GB Kt>Uvj wU msL`v tK KÚ` ¶i  
 cKvk Ki te tc· Ki te)

¶mvm¶tKvW: `vb msKj v¶bi Afvte tKvWwUi , i "ZpY®Ask , tj v Ges  
 evsj v AskUKi ayckvk Ki v nj |

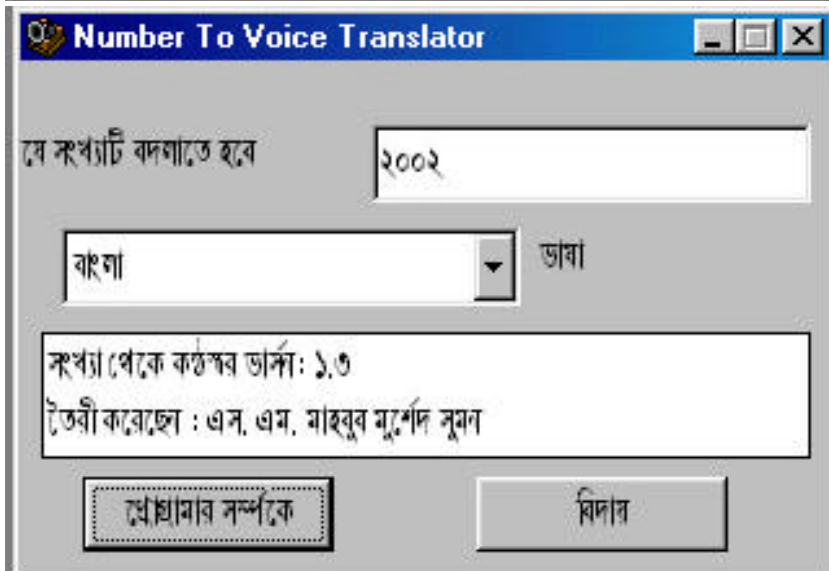
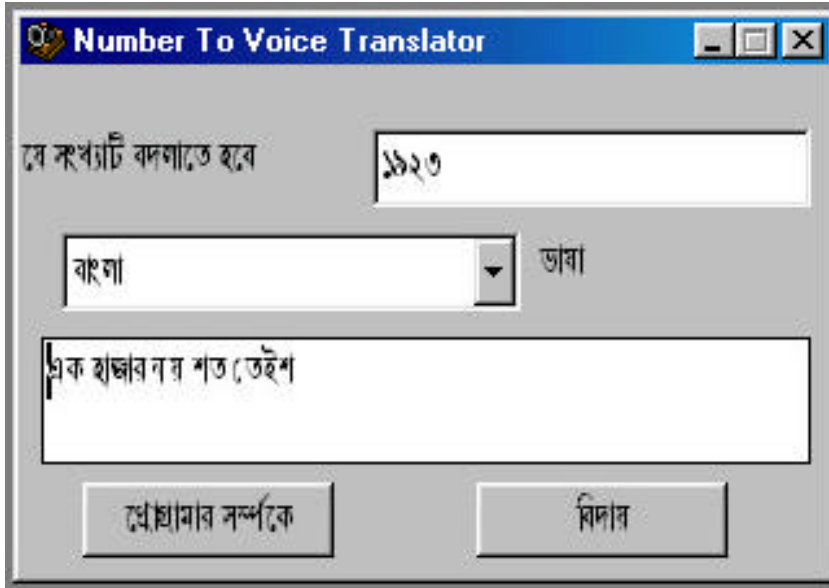
0frmMain0 Gi tKwW

<pre>Dim Language As Integer Dim EnglishString As String Dim BanglaString As String Dim BanglaEngString As String Dim CurProgDir As String  Public BanglaFontName As String Public BanglaFontSize As Integer Public EnglishFontName As String Public EnglishFontSize As Integer  Public Sub BanglaFace() ' this procedure changes the face in bangla ' Processing the labels lblNumber.Font.Name = BanglaFontName lblNumber.Font.Size = BanglaFontSize lblNumber.Caption = "¶h msL`vwU e`jv¶Z n¶e"  lblLanguage.Font.Name = BanglaFontName lblLanguage.Font.Size = BanglaFontSize lblLanguage.Caption = "fvlv"  ' Process the text box txtNumber.Font.Name = BanglaFontName txtNumber.Font.Size = BanglaFontSize ' erase the text for translated number txtTranslatedNumber.Text = "" txtTranslatedNumber.Font.Name = BanglaFontName txtTranslatedNumber.Font.Size = BanglaFontSize  ' Process the combo box cmbLanguage.Font.Name = BanglaFontName cmbLanguage.Font.Size = BanglaFontSize cmbLanguage.List(0) = "evsjv" cmbLanguage.List(1) = "Bs¶iRx"  ' Process the buttons cmdAbout.Font.Name = BanglaFontName cmdAbout.Font.Size = BanglaFontSize cmdAbout.Caption = "¶c0vM0vgvi m¶ú@¶K"</pre>	<pre>Private Sub toString() If txtNumber.Text = "" Then Exit Sub If EnglishNumberUtility.ValidNumber(txtNumber.Text) &lt;&gt; 1 Then If Language = 1 Then BanglaEngString = "BBadNum" ElseIf Language = 2 Then EnglishString = "EBadNum" End If Else If Language = 1 Then BanglaString = "" BanglaEngString = "" BanglaString = BanglaNumberUtility.NumToBanglaWord(CLng(txtNumber.Text), BanglaEngString) txtTranslatedNumber.Text = BanglaString ElseIf Language = 2 Then EnglishString = "" EnglishString = NumToWord(CLng(txtNumber.Text)) txtTranslatedNumber.Text = EnglishString End If End If End Sub Public Sub toVoice(ByRef str As String) If txtNumber.Text = "" Then Exit Sub Dim FileName As Variant FileName = Split(str)  Dim i As Integer Dim nextfile As String  For i = LBound(FileName) To UBound(FileName) nextfile = CurProgDir + FileName(i) + ".wav" Dim fs Dim a As Boolean Set fs = CreateObject("Scripting.FileSystemObject") a = fs.FileExists(nextfile) If a = False Then Call msgbox("File Not Found : " + nextfile, 2) EnableAll</pre>
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<pre> cmdExit.Font.Name = BanglaFontName cmdExit.Font.Size = BanglaFontSize cmdExit.Caption = "we`vq"  ' Process the text box txtNumber.Height = TextHeight("S") 'txtTranslatedNumber.Height = 4 * TextHeight("S")  ' Set current language scheme Language = 1 End Sub </pre>	<pre> Exit Sub End If  VoicePlayer.Command = "Close" VoicePlayer.FileName = nextfile VoicePlayer.Command = "Open" VoicePlayer.Command = "Play"  Do   If VoicePlayer.Mode &lt;&gt; mciModePlay Then Exit Do Loop Next End Sub </pre>
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## ০BanglaNumberUtility০ gWWDj Gi †KwW

<pre> Option Explicit  ' Number conversion ' ***** ' Number conversion Variables Dim Space As String Dim b0_to_99(100) As String Dim be0_to_99(100) As String Dim bUnit_Name(4) As String Dim beUnit_Name(4) As String Dim Unit(4) As Long Dim Printed As Boolean  ' Number conversion Functions Function NumToBanglaWord(ByVal num As Long, ByRef bestr As String) As String   Dim NumText As String   Dim NumEText As String   Dim i As Integer   Dim n As Long    ' strings containing 0 to 99   ' converted string   ' b0_to_99 array should be filled with ascii bangle code   ' type bangla in `word` and copy it here   ' be0_to_99 array should be filled with equivalent english code    b0_to_99(0) = "GK"   be0_to_99(0) = "ek"   ' ...   b0_to_99(99) = "GKk"   be0_to_99(99) = "akso"    ' units string   bUnit_Name(0) = "kZ"   beUnit_Name(0) = "soto"   bUnit_Name(1) = "nvRvi"   beUnit_Name(1) = "hazar"   bUnit_Name(2) = "j¶"   beUnit_Name(2) = "lokhho"   bUnit_Name(3) = "‡KvwU"   beUnit_Name(3) = "koti"    ' unit   Unit(0) = 100   Unit(1) = 1000   Unit(2) = 100000   Unit(3) = 10000000    Printed = False   NumText = ""   NumEText = ""   Space = " "    If num = 0 Then     NumText = "k~b~"     NumEText = "sunno"     GoTo FINISH   End If </pre>	<pre> If num &lt; 0 Then   NumText = NumText + "we‡qvM‡evaK"   NumEText = NumEText + "biogbodhok"   num = num * -1   Printed = True End If  ' return number less than 100 ' without further processing If num &lt; 100 Then   If Printed = True Then     NumText = NumText + Space     NumEText = NumEText + Space   Else     Printed = True   End If    NumText = NumText + b0_to_99(num - 1)   NumEText = NumEText + be0_to_99(num - 1)   GoTo FINISH End If  For i = 3 To 0 Step -1   n = Int(num / Unit(i))   If n &lt;&gt; 0 Then     If Printed = True Then       NumText = NumText + Space       NumEText = NumEText + Space     Else       Printed = True     End If      NumText = NumText + NumToBanglaWord(n, NumEText)      If Printed = True Then       NumText = NumText + Space       NumEText = NumEText + Space     Else       Printed = True     End If      NumText = NumText + bUnit_Name(i)     NumEText = NumEText + beUnit_Name(i)      num = Int(num Mod Unit(i))   End If Next i  If num &lt;&gt; 0 Then   If Printed = True Then     NumText = NumText + Space     NumEText = NumEText + Space   Else     Printed = True   End If    NumText = NumText + b0_to_99(num - 1)   NumEText = NumEText + be0_to_99(num - 1) End If  FINISH:   NumToBanglaWord = NumText   bestr = bestr + NumEText End Function </pre>
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kã ti KW® tKvb GKwU wgDwRK ti KW®i e`envi Kti GK t\_†K  
GKk Ges Ab`vb` kã , tj v ti KW®Kti tc0M0gwUi wWti ±i x†Z †mf  
Ki "b| GB dvBj , tj vi bvg , tj v thb 0be0\_to\_990 Ges 0beUnit\_Name0  
Av`ti †Z †mf Kiv bvg , tj vi mv†\_ †gtj |

Avi I wKQy K\_v : tc0M0gwU†Z evsj v tg†mR e· c0 R†bi Rb`  
GKwU we†kl †gtmR e· e`envi Kiv n†q†Q| Avi I GKwU gwWDj  
i †q†Q Bsti Rx fvl v e`envi Kivi Rb`| Awg Avcbv†K ci v gk`†` †ev  
c0†g i ayevsj v e`envi Kti tc0M0gwU Kivi Rb`, AZtci Ab`vb`  
fvl vq G†K e` tj †bevi Rb`| Avi Awg tc0M0gwU wWRvBb Kivi  
†¶†¶ Ggb fvtē g†Wj wU `wo Kti wQ hv†Z B†"Qg†Zv Avi I fvl v G†Z  
mshβ Kiv hvq| Avi cPi K†g>U mshβ Kti wQ †KvWwU †evaMg` nevi  
Rb`| Avgvi GLb †Kvb wbw` 0 I †qemvBU †bB e†j †KvWwU Avcbv†` i  
Rb` cKvk Kti †Z cvi wQ bv| Zte Avgvi Dcti v³ tgBj G†W†m tgBj  
Kti †j Awg Avcbv†K mvnvh` Kivevi c0Zk0wZ w` w"Q| AvkvKwi  
tc0M0gwU Avcbvi †Kvb Kv†R Avm†e|