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'=====
' 437-RTF                      1.002                      10/13/2016
'=====
' Programme to Change Files of the ASCII Code Page 437 into the
' Rich Text Format (RTF) to Enable Printing of the File also under Windows.
'=====
' Handling:
' 12/27/2007 - 10/13/2016 Norbert Suedland
'=====

DIM Source$
DIM IntermediateDestination$
DIM Destination$
DIM Position%
DIM InputFile%
DIM OutputFile%
DIM Line$
DIM Counter%
DIM Copy$
DIM Character$
DIM Code$

IF ENVIRON$("FIRST") = "" THEN
    PRINT "Please start the programme "; CHR$(34); "437-RTF.BAT"; CHR$(34);
    PRINT " with the corresponding arguments."
ELSE
    Source$ = ENVIRON$("FIRST")
    IntermediateDestination$ = ENVIRON$("SECOND")
    IF IntermediateDestination$ = "" THEN
        IntermediateDestination$ = "437-RTF.ERG"
    END IF
    Destination$ = ENVIRON$("THIRD")
    IF Destination$ = "" THEN
        Destination$ = IntermediateDestination$
    END IF
    IF Source$ = IntermediateDestination$ THEN
        PRINT "Source "; CHR$(34); Source$; CHR$(34); " and intermediate";
        PRINT " destination "; CHR$(34); IntermediateDestination$; CHR$(34);
        PRINT " are identical."
        PRINT "The programme is terminated."
    ELSEIF Source$ = Destination$ THEN
        PRINT "Source "; CHR$(34); Source$; CHR$(34); " and destination ";
        PRINT CHR$(34); Destination$; CHR$(34); " are identical."
        PRINT "The programme is terminated."
    ELSE
        Position% = INSTR(Destination$, "\")
        WHILE Position% > 0
            Destination$ = RIGHT$(Destination$, LEN(Destination$) - Position%)
            Position% = INSTR(Destination$, "\")
        WEND

        InputFile% = FREEFILE
        OPEN Source$ FOR INPUT AS #InputFile%
        OutputFile% = FREEFILE
        OPEN IntermediateDestination$ FOR OUTPUT AS #OutputFile%
        PRINT #OutputFile%, "{\rtf1\deff0{\fonttbl";
        PRINT #OutputFile%, "{\f0\fcharset0 Courier New;}";
        PRINT #OutputFile%, "{\f1\fcharset161\fprql Courier New Greek;}";

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PRINT #OutputFile%, "{\f2\fcharset204\fprql Courier New Cyr;}";
PRINT #OutputFile%, "{\f3\fcharset0 Times New Roman;}";
PRINT #OutputFile%, "{\f4\fcharset161\fprql Times New Roman";
PRINT #OutputFile%, " Greek;}";
PRINT #OutputFile%, "{\f5\fcharset204\fprql Times New Roman Cyr;}} "
PRINT #OutputFile%, "\margl1134\margr1134\margt1417\marginb1134 "
PRINT #OutputFile%, "\viewkind1\uc1 "
PRINT #OutputFile%, "{\header1 \f3 ";
PRINT #OutputFile%, "\widctlpar\brdrb\brdrs\brdrw30\brsp20 ";
PRINT #OutputFile%, "\tqc\tx5000\tqr\tx10000\adjustright ";
PRINT #OutputFile%, "{page }";
PRINT #OutputFile%, "{\field{\*\fldinst{ PAGE }}{ / }}";
PRINT #OutputFile%, "{\field{\*\fldinst{ NUMPAGES }} "
PRINT #OutputFile%, "{\tab \a9 Norbert Suedland\tab }"
PRINT #OutputFile%, "{\field{\*\fldinst{ FILENAME }}";
PRINT #OutputFile%, "{\fldrslt{ "; Destination$; "}}";
PRINT #OutputFile%, "{\par }"
PRINT #OutputFile%, "{\headerr \f3 ";
PRINT #OutputFile%, "\widctlpar\brdrb\brdrs\brdrw30\brsp20 ";
PRINT #OutputFile%, "\tqc\tx5000\tqr\tx10000\adjustright "
PRINT #OutputFile%, "{\field{\*\fldinst{ FILENAME }}";
PRINT #OutputFile%, "{\fldrslt{ "; Destination$; "}}";
PRINT #OutputFile%, "{\tab \a9 Norbert Suedland\tab }"
PRINT #OutputFile%, "{page }";
PRINT #OutputFile%, "{\field{\*\fldinst{ PAGE }}{ / }}";
PRINT #OutputFile%, "{\field{\*\fldinst{ NUMPAGES }} "
PRINT #OutputFile%, "{\par }"
PRINT #OutputFile%, "{\footer1 "
PRINT #OutputFile%, "{\footerr }"
PRINT #OutputFile%, "\b\fs20 "
WHILE EOF(InputFile%) = 0
    Copy$ = "{\f0 "
    LINE INPUT #InputFile%, Line$
    FOR Counter% = 1 TO LEN(Line$)
        Character$ = MID$(Line$, Counter%, 1)
        Code$ = ""
        SELECT CASE ASC(Character$)
            CASE 0
                STOP 'programming mistake? '\x00
                Code$ = ""
            CASE 1
                Code$ = "\u9786\'3f " '\x01
            CASE 2
                Code$ = "\u9787\'3f " '\x02
            CASE 3
                Code$ = "\u9829\'3f " '\x03
            CASE 4
                Code$ = "\u9830\'3f " '\x04
            CASE 5
                Code$ = "\u9827\'3f " '\x05
            CASE 6
                Code$ = "\u9824\'3f " '\x06
            CASE 7
                Code$ = "\u9679\'3f " '\x07
            CASE 8
                Code$ = "\u9688\'3f " '\x08
            CASE 9
                Code$ = "\u9675\'3f " '\x09

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CASE 10
  Code$ = "\u9689\'3f "      '\x0A
CASE 11
  Code$ = "\u9794\'3f "      '\x0B
CASE 12
  Code$ = "\u9792\'3f "      '\x0C
CASE 13
  Code$ = "\u9834\'3f "      '\x0D
CASE 14
  Code$ = "\u9835\'3f "      '\x0E
CASE 15
  Code$ = "\u9788\'a4 "      '\x0F
CASE 16
  Code$ = "\u9658\'3f "      '\x10
CASE 17
  Code$ = "\u9668\'3f "      '\x11
CASE 18
  Code$ = "\u8597\'3f "      '\x12
CASE 19
  Code$ = "\u8252\'3f "      '\x13
CASE 20
  Code$ = "\'b6 "            '\x14
CASE 21
  Code$ = "\'a7 "            '\x15
CASE 22
  Code$ = "\u9644\'3f "      '\x16
CASE 23
  Code$ = "\u8616\'3f "      '\x17
CASE 24
  Code$ = "\u8578\'2b "      '\x18
CASE 25
  Code$ = "\u8595\'3f "      '\x19
CASE 26
  Code$ = "\u8594\'3f "      '\x1A
CASE 27
  Code$ = "\u8592\'3f "      '\x1B
CASE 28
  Code$ = "\u8735\'3f "      '\x1C
CASE 29
  Code$ = "\u9612\'3f "      '\x1D
CASE 30
  Code$ = "\u9650\'3f "      '\x1E
CASE 31
  Code$ = "\u9660\'3f "      '\x1F
CASE 34
  Code$ = "\u8243\'3f "      ' '
CASE 92
  Code$ = "\\ "              '\
CASE 123
  Code$ = "\{ "              '{
CASE 125
  Code$ = "\} "              '}'
CASE 126
  Code$ = "\'98 "            '~
CASE 127
  Code$ = "\u8962\'a6 "      '\x7F
CASE 128
  Code$ = "\'c7 "            'Ç
```

CASE 129	
Code\$ = "\'fc "	'ü
CASE 130	
Code\$ = "\'e9 "	'é
CASE 131	
Code\$ = "\'e2 "	'â
CASE 132	
Code\$ = "\'e4 "	'ä
CASE 133	
Code\$ = "\'e0 "	'à
CASE 134	
Code\$ = "\'e5 "	'å
CASE 135	
Code\$ = "\'e7 "	'ç
CASE 136	
Code\$ = "\'ea "	'ê
CASE 137	
Code\$ = "\'eb "	'ë
CASE 138	
Code\$ = "\'e8 "	'è
CASE 139	
Code\$ = "\'ef "	'ï
CASE 140	
Code\$ = "\'ee "	'î
CASE 141	
Code\$ = "\'ec "	'ì
CASE 142	
Code\$ = "\'c4 "	'Ä
CASE 143	
Code\$ = "\'c5 "	'Å
CASE 144	
Code\$ = "\'c9 "	'É
CASE 145	
Code\$ = "\'e6 "	'æ
CASE 146	
Code\$ = "\'c6 "	'Æ
CASE 147	
Code\$ = "\'f4 "	'ô
CASE 148	
Code\$ = "\'f6 "	'ö
CASE 149	
Code\$ = "\'f2 "	'ò
CASE 150	
Code\$ = "\'fb "	'û
CASE 151	
Code\$ = "\'f9 "	'ù
CASE 152	
Code\$ = "\'ff "	'ÿ
CASE 153	
Code\$ = "\'d6 "	'Ö
CASE 154	
Code\$ = "\'dc "	'Ü
CASE 155	
Code\$ = "\'a2 "	'ç
CASE 156	
Code\$ = "\'a3 "	'£
CASE 157	
Code\$ = "\'a5 "	'¥

CASE 158	Code\$ = "\u8359\'50 "	' <i>ᄀ</i>
CASE 159	Code\$ = "\'83 "	' <i>f</i>
CASE 160	Code\$ = "\'e1 "	' <i>á</i>
CASE 161	Code\$ = "\'ed "	' <i>í</i>
CASE 162	Code\$ = "\'f3 "	' <i>ó</i>
CASE 163	Code\$ = "\'fa "	' <i>ú</i>
CASE 164	Code\$ = "\'f1 "	' <i>ñ</i>
CASE 165	Code\$ = "\'d1 "	' <i>Ñ</i>
CASE 166	Code\$ = "\'aa "	' <i>a</i>
CASE 167	Code\$ = "\'ba "	' <i>o</i>
CASE 168	Code\$ = "\'bf "	' <i>č</i>
CASE 169	Code\$ = "\u8976\'ac "	' <i>Г</i>
CASE 170	Code\$ = "\'ac "	' <i>Г</i>
CASE 171	Code\$ = "\'bd "	' <i>½</i>
CASE 172	Code\$ = "\'bc "	' <i>¼</i>
CASE 173	Code\$ = "\'a1 "	' <i>i</i>
CASE 174	Code\$ = "\'ab "	' <i>«</i>
CASE 175	Code\$ = "\'bb "	' <i>»</i>
CASE 176	Code\$ = "\u9617\'a6 "	' <i>⦿</i>
CASE 177	Code\$ = "\u9618\'a6 "	' <i>⦿</i>
CASE 178	Code\$ = "\u9619\'a6 "	' <i>⦿</i>
CASE 179	Code\$ = "\u9474\'a6 "	' <i> </i>
CASE 180	Code\$ = "\u9508\'a6 "	' <i>┘</i>
CASE 181	Code\$ = "\u9569\'a6 "	' <i>┘</i>
CASE 182	Code\$ = "\u9570\'a6 "	' <i> </i>
CASE 183	Code\$ = "\u9558\'2b "	' <i>Г</i>
CASE 184	Code\$ = "\u9557\'2b "	' <i>Г</i>
CASE 185	Code\$ = "\u9571\'a6 "	' <i> </i>
CASE 186	Code\$ = "\u9553\'a6 "	' <i> </i>

CASE 187	Code\$ = "\u9559\ '2b "	'Ს
CASE 188	Code\$ = "\u9565\ '2b "	'Ტ
CASE 189	Code\$ = "\u9564\ '2b "	'Ტ
CASE 190	Code\$ = "\u9563\ '2b "	'Ტ
CASE 191	Code\$ = "\u9488\ '2b "	'Ს
CASE 192	Code\$ = "\u9492\ '2b "	'Ტ
CASE 193	Code\$ = "\u9524\ '2d "	'Ტ
CASE 194	Code\$ = "\u9516\ '2d "	'Ტ
CASE 195	Code\$ = "\u9500\ '2b "	'Ტ
CASE 196	Code\$ = "\u9472\ '2d "	'Ტ
CASE 197	Code\$ = "\u9532\ '2b "	'Ტ
CASE 198	Code\$ = "\u9566\ 'a6 "	'Ტ
CASE 199	Code\$ = "\u9567\ 'a6 "	'Ტ
CASE 200	Code\$ = "\u9562\ '2b "	'Ტ
CASE 201	Code\$ = "\u9556\ '2b "	'Ტ
CASE 202	Code\$ = "\u9577\ '2d "	'Ტ
CASE 203	Code\$ = "\u9574\ '2d "	'Ტ
CASE 204	Code\$ = "\u9568\ 'a6 "	'Ტ
CASE 205	Code\$ = "\u9552\ '2d "	'Ტ
CASE 206	Code\$ = "\u9580\ '2b "	'Ტ
CASE 207	Code\$ = "\u9575\ '2d "	'Ტ
CASE 208	Code\$ = "\u9576\ '2d "	'Ტ
CASE 209	Code\$ = "\u9572\ '2d "	'Ტ
CASE 210	Code\$ = "\u9573\ '2d "	'Ტ
CASE 211	Code\$ = "\u9561\ '2b "	'Ტ
CASE 212	Code\$ = "\u9560\ '2b "	'Ტ
CASE 213	Code\$ = "\u9554\ '2b "	'Ტ
CASE 214	Code\$ = "\u9555\ '2b "	'Ტ
CASE 215	Code\$ = "\u9579\ '2b "	'Ტ

CASE 216	Code\$ = "\u9578\'2b "	'𠄎
CASE 217	Code\$ = "\u9496\'2b "	'𠄊
CASE 218	Code\$ = "\u9484\'2b "	'𠄐
CASE 219	Code\$ = "\u9608\'a6 "	'■
CASE 220	Code\$ = "\u9604\'5f "	'■
CASE 221	Code\$ = "\u9612\'a6 "	'■
CASE 222	Code\$ = "\u9616\'a6 "	'■
CASE 223	Code\$ = "\u9600\'af "	'■
CASE 224	Code\$ = "{\f1 \'e1}{\f0 "	'α
CASE 225	Code\$ = "\'df "	'ß
CASE 226	Code\$ = "{\f1 \'c3}{\f0 "	'Γ
CASE 227	Code\$ = "{\f1 \'f0}{\f0 "	'π
CASE 228	Code\$ = "{\f1 \'d3}{\f0 "	'Σ
CASE 229	Code\$ = "{\f1 \'f3}{\f0 "	'σ
CASE 230	Code\$ = "\'b5 "	'μ
CASE 231	Code\$ = "{\f1 \'f4}{\f0 "	'τ
CASE 232	Code\$ = "{\f1 \'d6}{\f0 "	'Φ
CASE 233	Code\$ = "{\f1 \'c8}{\f0 "	'Θ
CASE 234	Code\$ = "{\f1 \'d9}{\f0 "	'Ω
CASE 235	Code\$ = "{\f1 \'e4}{\f0 "	'δ
CASE 236	Code\$ = "\u8734\'38 "	'∞
CASE 237	Code\$ = "\'f8 "	'ø
CASE 238	Code\$ = "{\f2 \'aa}{\f0 "	'€
CASE 239	Code\$ = "\u8745\'6e "	'∩
CASE 240	Code\$ = "\u8801\'3d "	'≡
CASE 241	Code\$ = "\'b1 "	'±
CASE 242	Code\$ = "\u8805\'3d "	'≥
CASE 243	Code\$ = "\u8804\'3d "	'≤
CASE 244	Code\$ = "\u8992\'28 "	'

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CASE 245
    Code$ = "\u8993\'29 "      ' |
CASE 246
    Code$ = "\'f7 "           ' ÷
CASE 247
    Code$ = "\u8776\'98 "     ' ≈
CASE 248
    Code$ = "\'b0 "           ' °
CASE 249
    Code$ = "\bullet "        ' •
CASE 250
    Code$ = "\u8729\'b7 "     ' .
CASE 251
    Code$ = "\u8730\'76 "     ' √
CASE 252
    Code$ = "\u8319\'6e "     ' ñ
CASE 253
    Code$ = "\'b2 "           ' ²
CASE 254
    Code$ = "\u9642\'3f "     ' ■
CASE 255
    Code$ = SPACE$(1)         ' \xFF
CASE ELSE
    Code$ = Character$
END SELECT
Copy$ = Copy$ + Code$
NEXT Counter%
Copy$ = Copy$ + "}\par"
PRINT #OutputFile%, Copy$
WEND
PRINT #OutputFile%, "}"
CLOSE #OutputFile%
CLOSE #InputFile%
PRINT "The file "; CHR$(34); IntermediateDestination$; CHR$(34);
PRINT " has been generated."
END IF
END IF
SYSTEM

'=====
' End of "437-RTF.BAS"
'=====

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