

ODBC fRf“fgf□□[f< fpflf< fwf<fv



ODBC fwf<fv –ÚŽŸ

[ODBC] fRf“fgf□□[f< fpflf<,lfvfVf‡f“,É,æ,è□AODBC fhf%o fCfo ,Æff□[f^
f\□[fX,ì'Ç%oÁ□A□C□³□A,Ü,½,í□í□œ,ð□s,,Ü,·□B

[ff□[f^f\□[fX,ì'Ç%oÁ] f _fCfAf□fO f{fbfNfX

[fhf%o fCfo,ì'Ç%oÁ] f _fCfAf□fO f{fbfNfX

[fZfbfgfAfbfvf\fvfVf‡f“,ì□Ú□×□Ý'è] f _fCfAf□fO f{fbfNfX

[ŽQ□Æ] f _fCfAf□fO f{fbfNfX

[ff□[f^f\□[fX] f _fCfAf□fO f{fbfNfX

[fhf%o fCfo] f _fCfAf□fO f{fbfNfX

[fhf%o fCfo,ì'Ç%oÁ] f _fCfAf□fO f{fbfNfX

[fgf%o f“fXfÆ□[f^,ì□Ý'è] f _fCfAf□fO f{fbfNfX

[fhf%oCfo,l'Ç%oÁ] f_fCfAf□fO f{fbfNfX

Žg—p%oÂ"\\,È ODBC fhf%oCfo ,l'ê——,đ•\Ž!,μ□A'g,Ý□ž,Ɓfhf%oCfo,đ'l'đ,Å,«,é,æ,ɑ,É,μ,Ü,·□BfŠfXfg
f{fbfNfX,©,ç–Ú“l,l'fhf%oCfo,đ'l'đ,μ□A[OK] f{f^f“,đ'l'đ,·,é,Æ□A'g,Ý□ž,Ý,aŠJŽn,³,ê,Ü,·□B

[fZfbfgfAfbfvflfvfVf‡f“,l□Ú□×□Ý'è] f_fCfAf□fO f{fbfNfX

□ã<%f†□[fU□[Æü,¯,É□A'g,Ý□ž,Ý,ì,½,ß,ìflfvfVf‡f“,ª—p^Ó,³,ê,Ä,¢,Ü,·□B,½,¢,Ä,¢,ì□ê□±□A,±
,ìf_fCfAf□fO f{fbfNfX,ìffftfHf<fg,ì□Ý'è,ð•□X,·,é•K—v,Í,·,è,Ü,¹,ñ□B

[fhf%oCfo,ì'ìð]

,±,ìf`fFfbfN f{fbfNfX,Ä,Í□Afo□[fWf‡f“ f`fFfbfN,ìflf“/flft,ð□Ø,è'Ö,!,Ü,·□B

► f`fFfbfN f{fbfNfX,ðflf“,É,·,é,Æ□Afhf%oCfo,ìfo□[fWf‡f“ f`fFfbfN,ªflf“,É,È,è,Ü,·
(ffftfHf<fg,ì□Ý'è)□BÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢

,éfhf%oCfo,Æ““,¶fo□[fWf‡f“,Ü,½,Í,»,ê`È'O,ìfo□[fWf‡f“,ìfhf%oCfo,ì'g,Ý□ž,à,ª
,Æ,·,é,Æ□ASm" F,ìf□fbfZ□[fW,ª\Ž,³,è,Ü,·□B

fhf%oCfo,ð□Ä%o,É'g,Ý□ž,ª,Æ,«□A,±,ìf`fFfbfN f{fbfNfX,ì□Ý'è,íÆø%oÊ,ª,·,è,Ü,¹,ñ□B

► f`fFfbfN f{fbfNfX,ðflft,É,·,é,Æ□Afhf%oCfo,ìfo□[fWf‡f“ f`fFfbfN,ªflft,É,È,è,Ü,·□B,±
,ì,½,ß□A'ìð,µ,½fhf%oCfo,Í□Afo□[fWf‡f“,ì□V<Æ,ÉSÖÆW,Ê,□A—

³□ðÆ□,É'g,Ý□ž,Ü,ê,Ü,·□B'g,Ý□ž,Ý,ðSm" F,·,é f□fbfZ□[fW,Í\Ž,³,è,Ü,¹,ñ□B

[fhf%oCfo f}fI□[fWff]

,±,ê,ç,ìflfvfVf‡f“ f{f^f“,É,æ,è□AODBC fhf%oCfo f}fI□[fWff ,ð'g,Ý□ž,ª,©,Ç,ª,©,ðŽw'è,µ,Ü,·□B

► fo□[fWf‡f“ f`fFfbfN,ð□s,Á,½□ã,Ä□Afhf%oCfo f}fI□[fWff,ð'g,Ý□ž,Ý,Ü,·□B
[ODBC] fRf“fgf□□[f< fpflf<,ìflfvfVf‡f“,É,æ,è□A'g,Ý□ž,à,ª,Æ,·,éfhf%oCfo f}

fI□[fWff,ìfo□[fWf‡f“,ªf`fFfbfN,³,ê□AÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢,éfhf%oCfo f}

fI□[fWff,Æ““,¶,Ü,½,ì□V,µ,¢fo□[fWf‡f“,ì,Æ,«,¾,¯'g,Ý□ž,Ý,ª□s,í,è,Ü,·□B

► -³□ðÆ□,Éfhf%oCfo f}fI□[fWff,ð'g,Ý□ž,Ý,Ü,·□B

fo□[fWf‡f“,ì□V<Æ,ÉSÖÆW,Ê,□Afhf%oCfo f}fI□[fWff,ª-³□ðÆ□,É'g,Ý□ž,Ü,ê,Ü,·□B

► fhf%oCfo f}fI□[fWff,ð'g,Ý□ž,Ý,Ü,¹,ñ□B

'g,Ý□ž,à,ª,Æ,·,éfhf%oCfu f}fI□[fWff,ª□AÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢,éfhf%oCfo f}

fI□[fWff,Æ““,¶,Ü,½,ì□V,µ,¢fo□[fWf‡f“,ì,Æ,«,Ä,à□A'g,Ý□ž,Ý,ª□s,í,è,Ü,¹,ñ□B

[fgf%o f“fXfÆ□[f^]

,±,ê,ç,ìflfvfVf‡f“ f{f^f“,É,æ,è□Afgf%o f“fXfÆ□[f^ ,ð'g,Ý□ž,ª,©,Ç,ª

,©Žw'è,µ,Ü,·□B,Ä,Ê,È•i□“,ìfgf%o f“fXfÆ□[f^,ªfOf<□[fv,Æ,µ,Ä'g,Ý□ž,Ü,ê,é,±,Æ,É'□^Ó,µ,Ä,,¾,³,¢□B

► fo□[fWf‡f“ f`fFfbfN,ð□s,Á,½□ã,Ä□Afgf%o f“fXfÆ□[f^,ð'g,Ý□ž,Ý,Ü,·□B

'g,Ý□ž,à,ª,Æ,·,éfgf%o f“fXfÆ□[f^,ìfo□[fWf‡f“,ªf`fFfbfN,³,ê□AÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢
,éfgf%o f“fXfÆ□[f^,Æ““,¶,Ü,½,ì□V,µ,¢fo□[fWf‡f“,ì,Æ,«,¾,¯'g,Ý□ž,Ý,ª□s,í,è,Ü,·□B

► -³□ðÆ□,Éfgf%o f“fXfÆ□[f^,ð'g,Ý□ž,Ý,Ü,·□B

fo□[fWf‡f“,ì□V<Æ,ÉSÖÆW,Ê,□Afgf%o f“fXfÆ□[f^,ª-³□ðÆ□,É'g,Ý□ž,Ü,ê,Ü,·□B

► fgf%o f“fXfÆ□[f^,ð'g,Ý□ž,Ý,Ü,¹,ñ□B

'g,Ý□ž,à,ª,Æ,·,éfgf%o f“fXfÆ□[f^,ª□AÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢

,éfgf%o f“fXfÆ□[f^,Æ““,¶,Ü,½,ì□V,µ,¢fo□[fWf‡f“,ì,Æ,«,Ä,à□A'g,Ý□ž,Ý,ª□s,í,è,Ü,¹,ñ□B

[fo□[fWf‡f“]

,±,ìf{f^f“,ð'ìð,·,é,Æ□AODBC ,ì□\□¬—v'f,É,Ä,¢,Ä,ì□î•ñ,ð•\Ž,·,é f_fCfAf□fO

f{fbfNfX,ªÆ»,è,Ü,·□B[□\□¬] fŠfXfg f{fbfNfX,ðfXfNf□□[f<,µ,Ä□A,»,è,¾,è,ì□\□¬—v'f,É,Ä,¢

,Ä,ì□î•ñ,ð•\Ž,Ä,«,Ü,·□B

[ff[f^f[fX] f_fCfAf fO f{fbfNfX

f[f^f[fX,ì'Ç%Á□í□œ□Á'è,ð%Â"\\,É,μ,Ü,·□B,Ü,½□AfRf"fsf...[f^,É□V,μ,¢ ODBC
fhf%oCfo,ð'g,Ý□ž,þ,½,ß,ÉŽg,¢,Ü,·□B

ODBC fhf%oCfo,ð'g,Ý□ž,ñ,¾Æă,Â□A,»ìfhf%oCfo,Éî',,éff[f^f[fX,ð'è<`Â,«Ü,·□Bff[f^
f[fX,ì¼'O,Í□Afff[f^,l"à—e,^a,·,®,É,í,©,é'î"l,È,à,ì,É,μ□A□d^a,^a,È,¢,æ,σ,É,μ,Ä,,¾,³,¢□B—
á,!,î□A"□]<Æ^õ¼•ë,Æ<<—¿ŽX•¥•ë" ,ì,æ,σ,È¼'O,É,μ,Ü,·□BÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢
,é,·,×,Ä,ìfhf%oCfo,Éî',μ,Ä'è<³,ê,Ä,¢,éff[f^f[fX,îê——,Í□A[Data Sources (Driver)] fŠfXfg
f{fbfNfX,É•Ž!,³,ê,Ü,·□B

[ff[f^f[fX] f_fCfAf fO f{fbfNfX,É,Í□A6,Â,ìff^f",^a•Ž!,³,ê,Ü,·□B

[OK]

f_fCfAf fO f{fbfNfX,ð•Â,¶□A[ODBC] fRf"fgf□□[f< fpflf<,ð□l—^{1,3,1},Ü,·□B

[íÜìß]

fwf<fv%œ—Ê,ð•Ž!,μ,Ü,·□B

[□Ý'è]

Šù'¶,ìff[f^f[fX,ì□Ý'è,ð•ï□X,·,é,½,ß,ìf_fCfAf fO f{fbfNfX,ð•Ž!,μ,Ü,·□B[□Ý'è]
ff^f",ð'l'ð,·,é'O,É□AfŠfXfg f{fbfNfX,©,ç'î□û,Æ,È,éff[f^f[fX,ì¼'O,ð'l'ð,μ,Ä,,•K—v,^a, ,è,Ü,·□B

[□í□œ]

Šù'¶,ìff[f^f[fX,ð□í□œ,μ,Ü,·□B[□í□œ] f{f^f",ð'l'ð,·,é'O,É□AfŠfXfg
f{fbfNfX,©,ç'î□û,Æ,È,éff[f^f[fX,ì¼'O,ð'l'ð,μ,Ä,,•K—v,^a, ,è,Ü,·□B

['Ç%Á]

□V,μ,¢ff[f^f[fX,ð'Ç%Á,μ,Ü,·□B,±,ìff^f",ð'l'ð,·,é,Æ□Afff[f^
f[fX,ð'Ç%Á,·,éfhf%oCfo,ð'l'ð,·,é,½,ß,ìf_fCfAf fO
f{fbfNfX,^a•Ž!,³,ê,Ü,·□Bfhf%oCfo,ð'l'ð,·,é,Æ□A,»ìfhf%oCfo,É"ÆŽ©,ìf_fCfAf fO
f{fbfNfX,^a•Ž!,³,ê,Ü,·□B

[Äþ×²Êþ]

ODBC fhf%oCfo,ì'g,Ý□ž,Ý,â□í□œ,ð□s,¢,Ü,·□B,Ü,½□AODBC fhf%oCfu,É,Â,¢,Ä,ì□î•ñ,ð•Ž!,μ,Ü,·□B,±
,ìff^f",ð'l'ð,·,é,Æ□A'g,Ý□ž,þfhf%oCfo,ìŽí—þ,ð'l'ð,·,é,½,ß,ìf_fCfAf fO f{fbfNfX,^a•Ž!,³,ê,Ü,·□B

[fhf%oCfo] f_fCfAf□fO f{fbfNfX

ODBC fhf%oCfo ,l'g,Ý□ž,Ý,Ü,½,í□í□œ,ð□s,¢,Ü,·□B,Ü,½□A'g,Ý□ž,Ü,ê,Ä,¢,é ODBC fhf%oCfu,l'ê——
,É,æ,è□AffBfXfN□ã,É,·,Ä,É'g,Ý□ž,Ü,ê,Ä,¢,éfhf%oCfo,ðŠm"F,Ä,<,Ü,·□B

[OK]

f_fCfAf□fO f{fbfNfX,ð•Â,¶□A[f□[f^f\□[fX] ,Ö–ß,è,Ü,·□B

[íÜìß]

fwf<fv%œ–Ê,ð•Ž!,μ,Ü,·□B

[‘Ç%Á]

fn□[fh fffBfXfN,É□V,μ,¢fhf%oCfo,ð'g,Ý□ž,Ý,Ü,· (fhf%oCfo,ð'g,Ý□ž,p,½,ß□AfŠfXfg
f{fbfNfX,©,ç–Ú"l,l'fhf%oCfo,ð'l'ð,·,é•K—v,í, ,è,Ü,¹,ñ)□Bfhf%oCfo
f\ftfgfEfFfA,ì•Ÿ¶□ê□Š,Æfhf%oCfo,ì–¼'O,ðŽw'è,·,é,½,ß,l'f_fCfAf□fO
f{fbfNfX,^a,³,ç,É•Ž!,³,ê,Ü,·□B

[□í□œ]

,·,Ä,É'g,Ý□ž,Ü,ê,Ä,¢,éfhf%oCfo,ðfn□[fh fffBfXfN,©,ç□í□œ,μ,Ü,·□Bfhf%oCfo,ð□í□œ,·,é,É,í□A[Žg
—p%â"l,È ODBC fhf%oCfo] fŠfXfg f{fbfNfX,©,ç–Ú"l,l'fhf%oCfo–¼,ð'l'ð,μ□A[□í□œ]
f{f^f“,ð'l'ð,μ,Ü,·□B

[ÊP°¼p®Ý]

œ»□Ý'l'ð,³,ê,Ä,¢,éfhf%oCfo,É,Ä,¢,Ä,ì□î•ñ,ð•Ž!,μ,Ü,·□B

[fhf%oCfo,ì'Ç%Á] f_fCfAf□fO f{fbfNfX

ODBC fhf%oCfo,í□AfZfbfgfAfbfv fffBfXfN□Afn□[fh fffBfXfN□Aflfbfgf□□[fN
fhf%oCfu,ì,Ç,±,©,ç,Å,à'g,Ý□Ž,Þ,±,Æ,^a,Å,«,³Ü,·□Bfhf%oCfo,ð'g,Ý□Ž,Þ'O,É□Afhf%oCfo
ftf@fCf<,^a•Ů'¶,³ê,Ä,č,é□ê□Š,ðŽw'è,·,é•K—v,^a, ,è,Ü,·□B

fhf%oCfo,ð'g,Ý□Ž,Þ,É,Í

1 ftf□fbfs□[fffBfXfN,©,ç'g,Ý□Ž,Þ,Æ,«,³Í□AfffBfXfN,ðfhf%oCfu A,ÉfZfbfg,μ,Ü,·□B

2 fefLfXfg f{fbfNfX,Éfhf%oCfo ftf@fCf<,ìftf<fpfX,ð"ü—Í,μ,Ü,·□B

3 fhf%oCfo ftf@fCf<,^a•Ů'¶,³ê,Ä,č,éffBfÆfNfgfŠ,ð'T,·•K—v,^a, ,é,Æ,«,³Í□A[ŽQ□Æ]
f{f^f",ð'I'ð,μ,Ü,·□B

[ŽQ□Æ] f_fCfAf□fO f{fbfNfX,Åfhf%oCfo,ìffBfÆfNfgfŠ,ð'I'ð,·,é,Æ□A□Ä"x
[fhf%oCfo,ì'Ç%Á] f_fCfAf□fO f{fbfNfX,^a•Ž',³ê□AfffBfÆfNfgfŠ—¼,^afefLfXfg
f{fbfNfX,É'Ç%Á,³ê,Ü,·□B

4 [OK] f{f^f",ð'I'ð,μ□A'g,Ý□Ž,Ý,ðŠJŽn,μ,Ü,·□B

[ŽQÆ] f_fCfAf□fO f{fbfNfX

fn□[fh fffBfXfN,Ü,½,Ílfbfgf□□[fN fhf%oCfu,đ'íŮ,É□AODBC fhf%oCfo
ftf@fCf<,đŠÜ,pffBfƎfNfgfŠ,đ'T,·,½,B,ÉŽg,¢,Ü,·□B

,μ,©,μ□A[ftf@fCf<,đŠJ,] f_fCfAf□fO f{fbfNfX,Æ,ÍŮ,È,è□A[ŽQÆ] f_fCfAf□fO
f{fbfNfX,Å,ÍffBfƎfNfgfŠ"à,ìftf@fCf<,Í•Ž!,³,ê,□AffBfƎfNfgfŠ^{-¼,¾,}⁻,ª•Ž!,³,ê,Ü,·□B,±
,ìf_fCfAf□fO f{fbfNfX,Å,í□A'g,Ý□Ž,pfhf%oCfo f\ftfg,ª•Ů'¶!,³,ê,Ä,¢
,éfhf%oCfu,ÆffBfƎfNfgfŠ,¾,⁻,đ'I'đ,μ,Ü,·□B

f!fbfgf□□[fN fhf%oCfo,đƎŸ□ō,·,é,É,Í

1 [f!fbfgf□□[fN] f{f^f",đ'I'đ,μ□Aftf@fCf< f}f!□[fWff,ì [f!fbfgf□□[fN fhf%oCfu,Æ,ì□Ů'±]
f_fCfAf□fO f{fbfNfX,đ•Ž!,μ,Ü,·□B

'□^Ó [f!fbfgf□□[fN] f{f^f",Í□AMicrosoft Windows for Workgroups ,đŽÀ□s,μ,Ä,¢
,é,Æ,«,¾,⁻•Ž!,³,ê,Ü,·□B

2 fhf%oCfo ftf@fCf<,ª•Ů'¶!,³,ê,Ä,¢,éffBfƎfNfgfŠ,đ'I'đ,μ,Ü,·□B

3 [OK] f{f^f",đ'I'đ,μ□A'I'đ,μ,½ffBfƎfNfgfŠ,É•Ů'¶!,³,ê,Ä,¢,éfhf%oCfo,Ìê——,đŠÜ,pf_fCfAf□fO
f{fbfNfX,đ•Ž!,³,¹,Ü,·□B

[ff□[f^f\□[fX,]’Ç%Á] f_fCfAf□fO f{fbfNfX

ff□[f^ f\□[fX ,ð'Ç%Á,·,é ODBC fhf%oCfo,ð'l'ð,·,é,½,ß,lf_fCfAf□fO f{fbfNfX,Å,·□B[Žg—p%Â"\\,È
ODBC fhf%oCfo] fŠfXfg f{fbfNfX,É,Í□AÆ»□Ý'g,Ý□ž,Ü,ê,Ä,¢,éfhf%oCfo—¼,îê——,ª\Ž!,³,ê,Ü,·
(ODBC fhf%oCfo,ð'Ç%Á,·,é,É,Í□A[ff□[f^f\□[fX] f_fCfAf□fO f{fbfNfX,É, ,é [Äb×²Êb]
f{f^f“,ðŽg,¢,Ü,·)□B

ff□[f^ f\□[fX,ð'Ç%Á,·,é,É,Í

1 [Žg—p%Â"\\,È ODBC fhf%oCfo] fŠfXfg f{fbfNfX,©,ç□Aff□[f^ f\□[fX,aŽg,afhf%oCfo,ì–
¼'O,ð'l'ð,μ,Ü,·□B

2 [OK] f{f^f“,ð'l'ð,μ,Ü,·□B

f_fCfAf□fO f{fbfNfX,ª\Ž!,³,ê,Ü,·□B,±,lf_fCfAf□fO f{fbfNfX,É,Í□A–
¼'O□Afo□[Wf‡f""Ô□†□A•Û'¶□ê□Š,È,Ç□Aff□[f^ f\□[fX,É,Ä,¢,Ä,ì□î•ñ,ð“ü—í,μ,Ü,·□B

[fgf%of“fXfƎ□[f^,ì'ð] f_fCfAf□fO f{fbfNfX

Žg—p%oÂ"\\,Èfgf%of“fXfƎ□[f^,ìê——,ð•\Ž!,μ,Ü,·□BfŠXfg f{fbfNfX,©,ç–
Ú“l,ìfgf%of“fXfƎ□[f^,ð'ì'ð,μ□A[OK] f{f^f“,ð'ì'ð,μ,Ü,·□B,±,ìƎã□A,³,ç,É•Ê,ì_fCfAf□fO
f{fbfNfX,ª•\Ž!,³,ê,é□ê□‡,à, ,è,Ü,·□B

API

fAfvfŠfP[fVf‡f“ fvf□fOf%of~f“fO fCf“f^□[ftfFfCfX,ì—^aì□BMicrosoft Access ,ì,æ,ª
,ÈfAfvfŠfP[fVf‡f“,af□□[fÆfxf< fT□[frfX,ð—v<□,μ,½,èŽÀ□s,·,é,½,ß,ÉŽg,ªf<□[f`f“,ìfZfbfg,ì,±
,Æ□B

•¶ŽšfZfbfg

•¶ŽšfZfbfg,Æ,Í□A•¶Žš□A□"Žš□A<L□†,Å□\□¬,³,ê,é 1'g,Y,ì□W□‡,Å□A,»,ì□\□¬—v'f,Í□Ý'è,³,ê,Ä,¢
,é□',,æ,ŃŒ¼Œê,É,æ,è~Ù,È,è,Ü,·□B,»,ê,¼,ê,ì•¶ŽšfZfbfg,Í□A fR□[fh
fy□[fW,ÆŒÄ,î,ê,éfe□[fuf<,Å'è<³,ê,Ä,¢,Ü,·□BOEM •¶ŽšfZfbfg,Æ,Í□AANSI •¶ŽšfZfbfg,ð□œ,-
□A,·,x,Ä,ì•¶ŽšfZfbfg,ðŽw,μ,Ü,·□BANSI •¶ŽšfZfbfg (fR□[fh fy□[fW 1007) ,Í□AMicrosoft Windows
,ÅŽg,í,ê,Ä,¢,é•¶ŽšfZfbfg,Ä,·□B

“K⌘⌘f⌘fxf<

fAfvfŠfP⌘[fVf⌘f“,l’†,É,í□A^ê’è,ì<@”\f⌘fxf<,Ü,½,í“K⌘⌘f⌘fxf<,ðfTf|□[fg,·,éfhf%oCfo,¾,¯,ðŽg—
p,·,é,à,ì,a, ,è,Ü,·□B—á,!,î□Afhf%oCfo,a f f□[f^ f\□[fX,Ö,ìfpfXf□□[fh,ðf†□[fU□[,É—v<□,Å,«,é,±,Æ,ð•K
—v,Æ,·,éfAfvfŠfP⌘[fVf⌘f“,a, ,è,Ü,·□B,±,ì<@”\,í□AAPI ,ìf⌘fxf< 1 “K⌘⌘f⌘fxf<,ÉŠÜ,Ü,ê,Ä,¢,Ü,·□B
Še ODBC fhf%oCfo,í□A3,Â,ì API f⌘fxf< (fRfA□Af⌘fxf< 1□Af⌘fxf< 2) ,ì,¢,,ê,Æ□A3,Â,ì SQL •¶—
@ (□Å□–□AfRfA□AŠg’E) ,ì,¢,,ê,©,É“K⌘⌘,µ,Ä,¢
,Ü,·□Bfhf%oCfo,í□A,»,ê,¾,ê,ì•W□€f⌘fxf<,æ,è,à□ã,É,É, ,éf⌘fxf<,ì<@”\,ð^ê•”fTf|□[fg,·,é,±,Æ,a, ,è,Ü,·
□B

“K⌘⌘f⌘fxf<,ì□Ú□×,É,Â,¢,Ä,í□A□uMicrosoft ODBC SDK Programmer’s Reference□v,ðŽQ□Æ,µ,Ä,-
,¾,¾,¢□B

ff□[f^ f\□[fX

*ff□[f^ f\□[fX,Æ,í□Af†□[fU□[,^afAfNfZfX,μ,æ,α,Æ,·,éff□[f^,»,ì,à,ì,Æ□A,»,ìff□[f^,ðŽæ“¾,·,é,½,ß,É•K
—v,È□î•ñ,ì—¼•û,ðŽw,μ,Ü,·□BŽŸ,Éff□[f^ f\□[fX,ì—á,ðŽ!,μ,Ü,·□B*

- ▶ SQL Server *ff□[f^fx□[fX□A,»,ê,^aŮ‘¶,³ê,Ä,¢
,éfT□[fo□[□A,»,ìfT□[fo□[,ðfAfNfZfX,·,é,½,ß,ÉŽg,øflfbfgf□□[fN*
- ▶ *fAfNfZfX,μ,½,¢ dBASE ftf@fCf<,ðŠÜ,bffBfŒfNfgfŠ*

DBMS

ff[f^fx[fXŠÇ—fVfXfef€,\—ªŒêBff[f^,\[\¬A•ªíAŒŸððAXVðAŽæ“¾,ðs,ª
,½,ß,ÉŽg,ªf\ftfgfEfFA,ì,±,ÆB

DDL

ff□*[f^`è<`Æ¼Æê,ì—ªÆê*□*Bff*□*[f^ flfuFWfFfNfg,â,»*,ì'®□«,*ð'è<`*,·,é,*½,ß,ÉŽg,í,ê,é* SQL
fXfe□*[fgf*□*f“fg,ì,±,Æ*□*B—á,!*□*ACREATE TABLE*□*ADROP VIEW*□*AGRANT*
,È,Ç,ìfXfe□*[fgf*□*f“fg,*^a*,±,ê,É,* *½,è,Ü,*·□*B*

DLL

f_fCfi f~fbfN fŠf“fN f%o fCfu f%o fŠ, Ì—ªŒê□B<¤Ê, Ìf^fXfN, đŽÀ□s, ·, é, ½, ß□A, ¢, -
, Â, ©, ÌfAfvfŠfP□[fVf‡f“, ÅŽg—p, ³, ê, é 1'g, Ý, Ìf<□[f`f“, Ì±, Æ□BODBC fhf%o fCfo, »), Ì, à, Ìª DLL , Å, ·□B

DML

$f f \square [f^{\wedge} \epsilon \square \imath \mathbb{E} \frac{3}{4} \mathbb{E} \hat{e}, \imath \text{---}^a \mathbb{E} \hat{e} \square B f f \square [f^{\wedge}, \delta^{\circ} \epsilon \square \imath, \cdot, \acute{e}, \frac{1}{2}, \beta, \acute{E} \check{Z} g, \acute{e}, \acute{e} \text{ SQL } f X f e \square [f g f \square f^{\circ} f g, \imath, \pm, \mathbb{A} \square B \text{---}$
 $\acute{a}, \imath, \hat{\imath} \square A U P D A T E \square A I N S E R T \square A D E L E T E, \acute{E}, \mathbb{C}, \imath f X f e \square [f g f \square f^{\circ} f g,^a, \pm, \hat{e}, \acute{E}, \cdot, \frac{1}{2}, \grave{e}, \ddot{U}, \cdot \square B$

ODBC

fI[fvf" ff[f^fx[fX fRlfNfefBfrfefB,ì—ªŒêBfAfvfŠfP[fVf‡f",ª SQL
,đ•WŒŒ¾Œê,Æ,µ,ÄŽg,Á,ÄAf[f^,ÖfAfNfZfX,·,é,±,Æ,đ%Â"Œ,É,·,é,½,ß,ì fhf%o f}fI[fWff
,Æ ODBC fhf%o f,ì' B

ODBC fhf%_fCfo f}fI[fWff

ODBC fhf%_fCfo,Ö,ìfAfNfZfX,ð%_Â",É,·,é DLL ,ì,±,ÆB

ODBC fhf%oCfo

Microsoft Excel ,l,æ,ø,È ODBC 'l%žfAfvfŠfP□[fVf‡f“,“Á'è,lff□[f^ f\□[fX,ðfAfNfZfX,·,é,½,ß,ÉŽg,ø
DLL ,l,±,Æ□BMicrosoft SQL Server ,l,æ,ø,Èff□[f^fx□[fXŠÇ—□fVfXfef€ (DBMS)
,Å,í□A,»,ê,¼,ê^Ù,È,éfhf%oCfo,ª•K—v,É,È,è,Ü,·□B

SQL

□\‘¢%»fNfGfŠ□[Œ¾Œê,ì—ªŒê□Bff□[f^,ìŽæ“¾□A□X□V□AŠÇ—□,ð□s,ɑ,½,ß,ÉŽg,ªŒ¾Œê,ì,±,Æ□B

SQL fXfe [fgf f“fg

SQL ,Å‘,©,ê,Ä,¢,é fRf}}f“fh A,Â,Ü,è~ê”Ê,ÉfNfGfŠ [,ÆŒÄ,Î,ê,é,à,ì,Â,· BSQL
fXfe [fgf f“fg,É,Í ASELECT ADELETE ACREATE TABLE ,ì,æ,ª
,É AŽÀ s,·,é‘€ ì,ðŽw’è,·,é,à,ì,â AŽÀ s,·,é‘€ ì,ì‘Î Û,Æ,È,éfe [fuf<,â—
ñ,ðŽw’è,·,é,à,ì A,»,ê,É‘€ ì,É“K—p,³,ê,é ðŒ ðŽw’è,·,é,à,ì,È,Ç,^a,è,Ü,· B

•İŠ·fIfvfVf‡f“

f g f % f “ f X f Ć □ [f ^ , a f f □ [f ^ , đ • İ Š · , , é • ũ – @ , đ Ž w ’ è , , é f l f v f V f ‡ f “ , ì , ± , Æ □ B —

á , ì , î □ A • İ Š · f l f v f V f ‡ f “ , ì † , É , í □ A f g f % f “ f X f Ć □ [f ^ , a ^ Ũ , È , é • ¶ Ž š f Z f b f g , ì Š Ő , Å • ¶ Ž š —

ñ f f □ [f ^ , đ • İ Š · , , é , Æ , « □ A ^ Ũ □ Ũ , Æ , È , é • ¶ Ž š f Z f b f g , đ Ž w ’ è , , é , à , ì , a , , è , Ũ , · □ B , Ũ , ½ □ A ^ Ā □ † % o » , â ^ Ā □ † % o » , ì % o đ □

œ , ì , ½ , ß , É Ž g , ρ f L □ [, đ Ž w ’ è , , é , à , ì , à , , è , Ũ , · □ B

fgf%^of“fXfŒ□[f^

Microsoft Access ,ì,æ,ϱ,ÈfAfvfŠfP□[fVf‡f“,Æff□[f^

f\□[fX,ìŠÔ,Å^ø,«“n,³,ê,é,·,x,Ä,ìff□[f^,ð•İŠ·,·,é,¹/₂,ß,ì DLL ,ì,±

,Æ□Bfgf%^of“fXfŒ□[f^,ì,à,Á,Æ,à^ê”Ê“l,ÈŽg,ϕ·û,Æ,μ,Ä□A^Ù,È,é•¶ŽšfZfbfg,ìŠÔ,Å•¶Žš—

ñff□[f^,ð•İŠ·,·,é,Æ,ϕ,ϱ,à,ì,^a, ,è,Ü,·□B,Ü,¹/₂□Afgf%^of“fXfŒ□[f^,É,æ,è□A^Ã□†%»»,Æ^Ã□†,ì%ð□œ□A³□

k,Æ³□k,ì%ð□œ,È,Ç,ð□s,ϱ,±,Æ,à,Å,«,Ü,·□B

