Posted by Vovaa83 on Wed, 18 Dec 2024 18:42:56 GMT
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```
declare
  l_input    number := 123456;
  l_output   number;

  l_encrypted_raw raw(2000);
  l_decrypted_raw raw(2000);

  l_num_key_bytes number := 256 / 8;  -- key length 256 bits (32 bytes)
  l_key           raw(32);            -- stores 256-bit encryption key

  l_encryption_type pls_integer := dbms_crypto.encrypt_aes256 + dbms_crypto.chain_ecb +
dbms_crypto.pad_zero;
begin
  dbms_output.put_line('Original string: ' || l_input);
```

```
--    l_key := dbms_crypto.randombytes(l_num_key_bytes);
  l_key :=
'1E1760676B29588E7AA6D7F674E989732E7C46604663D7E024E94FB5BA8 41AA3';
  dbms_output.put_line('Key: ' || l_key);

  l_encrypted_raw := dbms_crypto.encrypt(
                                  src =>
utl_i18n.string_to_raw(l_input, 'AL32UTF8'),
                                  typ =>
l_encryption_type,
                                  key =>
l_key
                  );

  dbms_output.put_line('Encrypted number: ' || l_encrypted_raw);

  l_decrypted_raw := dbms_crypto.decrypt(
                                  src =>
l_encrypted_raw,
                                  typ =>
l_encryption_type,
                                  key =>
l_key
                  );

  l_output := utl_i18n.raw_to_char(l_decrypted_raw, 'AL32UTF8');

  dbms_output.put_line('Decrypted number: ' || l_output);
end;
/
--      -------------------------------------------------------
-------------------------------------------------------
Original string: 123456
Key:     1E1760676B29588E7AA6D7F674E989732E7C46604663D7E024E94FB5BA84 1AA3
Encrypted number: 01E008A0ECC9218079118F12751AAFBB
Decrypted number: 123456
```

Posted by flexgen on Sat, 21 Dec 2024 20:26:47 GMT
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Posted by basid on Sun, 22 Dec 2024 09:25:17 GMT
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