
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

```

