Encrypt Decrypt

For purpose of data Encryption or Decryption create a package ENCRYPTDECRYPT Spec and Body.

In working examples below you will see how to Encrypt and Decrypt encrypted data. Take a close look on line of code**lr_key RAW(255) := UTL_RAW.cast_to_raw('starpass');**instead of 'starpass' you should write your **own password**.

Examples:

```oracle
--Encrypt:
SELECT ENCRYPTDECRYPT.ENCRYPT('452345234423')
FROM dual;

--Result: 6F64A297CF96EA8849BEEBE8FF3E2EEB

--Decrypt:
SELECT ENCRYPTDECRYPT.DECRYPT('60D40B040A13579B2
FROM dual;

--Result: '452345234423'
```

ENCRYPTDECRYPT Spec:

```oracle
CREATE OR REPLACE PACKAGE ENCRYPTDECRYPT AS

  FUNCTION encrypt (p_text  IN  VARCHAR2) RETURN

  FUNCTION decrypt (p_raw  IN  RAW) RETURN VARCHA

END ENCRYPTDECRYPT;
```

ENCRYPTDECRYPT Body:

```oracle
CREATE OR REPLACE PACKAGE BODY ENCRYPTDECRYPT AS

  lr_key     RAW(255)  := UTL_RAW.cast_to_raw('s

  FUNCTION encrypt (p_text  IN  VARCHAR2) RETURN
```

```
  IS
    lc_text        VARCHAR2(32767) := p_text;
    lt_enc_text    RAW(32767);
  BEGIN

    lc_text := RPAD( lc_text, (TRUNC(LENGTH(lc_t

    DBMS_OBFUSCATION_TOOLKIT.desencrypt(input =>
                                        key    =>
                                  encrypted_data  =>
    RETURN lt_enc_text;
  END;

  FUNCTION decrypt (p_raw  IN  RAW) RETURN VARCH

    lc_decrypted     VARCHAR2(32767);
    lc_return_dec    VARCHAR2(32767);
  BEGIN
    DBMS_OBFUSCATION_TOOLKIT.desdecrypt(input =>
                                        key     =>
                                  decrypted_data  =>

    lc_return_dec := UTL_RAW.cast_to_varchar2(lc

    RETURN RTRIM( lc_return_dec, CHR(0) );

  END;

END ENCRYPTDECRYPT;
```