```
CREATE OR REPLACE PACKAGE ADD_ORS.ADD_BATCHJOBS AS
/******************************************************************************
   NAME:       ADD_BATCHJOBS
   PURPOSE:
   REVISIONS:
   Ver        Date        Author           Description
   ---------  ----------  ---------------  ------------------------------------
   2.0        4/24/2011   SCK      Added procedure to execute batch group
******************************************************************************/
    SUBTYPE cmx_rowid IS CHAR( 14 );
    SUBTYPE cmx_med_str IS VARCHAR2( 2000 );
    SUBTYPE cmx_big_str IS VARCHAR2( 8000 );
    SUBTYPE cmx_table_name IS VARCHAR2( 30 );
    SUBTYPE cmx_column_name IS VARCHAR2( 30 );
    SUBTYPE cmx_data_value IS VARCHAR2( 1000 );
    SUBTYPE cmx_object_name IS VARCHAR2( 128 );
    SUBTYPE cmx_object_desc IS VARCHAR2( 255 );
    SUBTYPE cmx_system_name IS VARCHAR2( 50 );
    SUBTYPE cmx_status_msg IS VARCHAR2( 1024 );
    SUBTYPE cmx_date_string IS VARCHAR2( 100 );
    SUBTYPE cmx_user_name IS VARCHAR2( 50 );
    SUBTYPE cmx_single_char IS VARCHAR2( 1 );
    SUBTYPE cmx_job_id IS CHAR( 14 );
    SUBTYPE cmx_error_code IS INT;
    SUBTYPE cmx_error_message IS VARCHAR2( 4000 );

    -- constants for job status, c_repos_job_status_type
    SUCCESS                       INT := 0;
    WARNING                       INT := 1;
    PROCESSING                    INT := 2;
    FAILED                        INT := 99;
    INCOMPLETE                    INT := 4;
    CLEANSE_JOB_FAILED            EXCEPTION;
    LOAD_JOB_FAILED               EXCEPTION;
    MATCHMERGE_JOB_FAILED         EXCEPTION;
    DDL_ERROR                     EXCEPTION;
    SQL_DDL_ERROR                 EXCEPTION;
    JOB_NOT_VALID                 EXCEPTION;
    NO_INDEX_START_TABLE_NAME      EXCEPTION;
    BAD_PARAMETER                 EXCEPTION;
    GLOBAL_INITIALIZATION_FAILED  EXCEPTION;
    READ_CONFIG_FILE_FAILED       EXCEPTION;
    GENERIC_ERROR                 EXCEPTION;

    out_error_code                cmx_error_code;
    out_error_message             cmx_error_message;

-- Global variables
    job_print_out                 BOOLEAN := true;    -- print messages to console/log file?
    job_print_debug               BOOLEAN := true;    -- print messages to the siperian
debug log

--  Procedure to print to console or siperian debug log
    PROCEDURE x_print (in_msg VARCHAR2);


--- Generic procedure to initialize all global variables --
    PROCEDURE global_initialize(
        in_host_name                          VARCHAR2,
        in_tns_name                           VARCHAR2,
        in_db_user                            VARCHAR2,
        out_error_code                OUT     cmx_error_code,
```

```sql
                out_error_message                 OUT          cmx_error_message );

        -- Control Procedure to execute Stage, Load, Match and Merge jobs --
        PROCEDURE exec_mrm_process(
            in_base_table_name  IN  VARCHAR2,
            in_stg_table_name   IN  VARCHAR2,
            in_job_type         IN  VARCHAR2,
            in_host_name        IN  VARCHAR2,
            in_tns_name         IN  VARCHAR2,
            in_db_user          IN  VARCHAR2,
            out_error_code      OUT cmx_error_code,
            out_error_message   OUT cmx_error_message );

    --- Generic procedure to run Stage jobs ---
        PROCEDURE run_cleanse(
            in_table_name                    VARCHAR2,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

    --- Generic procedure to run Load jobs ---
        PROCEDURE run_load(
            in_table_name                    VARCHAR2,
            in_force_update_ind              INT,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

    --- Generic procedure to run Match and Merge jobs ---
        PROCEDURE run_matchmerge(
            in_table_name                    VARCHAR2,
            in_match_set                     VARCHAR2,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

        PROCEDURE process_load(
            in_table_name                    VARCHAR2,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

        PROCEDURE process_stage(
            in_table_name                    VARCHAR2,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

        PROCEDURE process_matchmerge(
            in_table_name                    VARCHAR2,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

        PROCEDURE execute_batchgroup(
            in_mrm_server                    VARCHAR2,
            in_batch_group                   VARCHAR2,
            in_autosys_id                    VARCHAR2,
            in_autosys_password              VARCHAR2,
            out_error_code             OUT          cmx_error_code,
            out_error_message          OUT          cmx_error_message );

    END;
    /
```