Bài 1

1.

CREATE PROCEDURE spud\_LayDanhsachVATTU1

AS

BEGIN

    SELECT \* FROM VATTU

    ORDER BY VATTU.TenVTu ASC;

END;

EXEC spud\_LayDanhsachVATTU1;

2.

CREATE PROCEDURE spud\_LayDanhsach\_NHACC1

    @mancc VARCHAR(10) = NULL

AS

BEGIN

    IF @mancc IS NULL

        SELECT \* FROM NHACC

    ELSE

        SELECT \* FROM NHACC WHERE MaNCC = @mancc

END;

EXEC spud\_LayDanhsach\_NHACC1;

EXEC spud\_LayDanhsach\_NHACC1 @mancc = 'NCC01';

3.

CREATE PROCEDURE spud\_PXUAT\_BcaoPxuat1

    @SoPhieuXuat VARCHAR(10) = NULL

AS

BEGIN

    IF @SoPhieuXuat IS NULL

        SELECT PXUAT.\*, CTPXUAT.\*, VATTU.TENVTU

        FROM PXUAT

        JOIN CTPXUAT ON PXUAT.SoPx = CTPXUAT.SoPx

        JOIN VATTU ON CTPXUAT.Mavtu = VATTU.Mavtu

    ELSE

        SELECT PXUAT.\*, CTPXUAT.\*, VATTU.TENVTU

        FROM PXUAT

        JOIN CTPXUAT ON PXUAT.SoPx = CTPXUAT.SoPx

        JOIN VATTU ON CTPXUAT.Mavtu = VATTU.Mavtu

        WHERE PXUAT.SoPx = @SoPhieuXuat

END;

4.

CREATE PROCEDURE spud\_PNHAP\_BcaoPNhap1

    @SoPhieuNhap INT = NULL

AS

BEGIN

    SELECT PNHAP.\*, CTPNHAP.\*, VATTU.TENVTU

    FROM PNHAP

    JOIN CTPNHAP ON PNHAP.SoPn = CTPNHAP.SoPn

    JOIN VATTU ON CTPNHAP.Mavtu = VATTU.MaVTU

    WHERE (@SoPhieuNhap IS NULL OR PNHAP.SoPn = @SoPhieuNhap)

END;

5.

CREATE PROCEDURE spud\_TONKHO\_BcaoTonkho1

    @NamThang NVARCHAR(6)

AS

BEGIN

    SELECT TONKHO.\*, VATTU.TENVTU

    FROM TONKHO

    JOIN VATTU ON TONKHO.MaVTU = VATTU.MaVTU

    WHERE TONKHO.NamThang = @NamThang

END;

Bai 2

1.

CREATE PROCEDURE spud\_VATTU\_Them

    @MaVTU NVARCHAR(50),

    @TenVTU NVARCHAR(255),

    @DonViTinh NVARCHAR(50) = '',

    @PhanTram FLOAT

AS

BEGIN

    IF NOT EXISTS (SELECT 1 FROM VATTU WHERE Mavtu = @MaVTU)

        AND NOT EXISTS (SELECT 1 FROM VATTU WHERE TenVTu = @TenVTU)

        AND @PhanTram BETWEEN 0 AND 100

    BEGIN

        INSERT INTO VATTU(Mavtu, TenVTu, Dvtinh, Phantram)

        VALUES (@MaVTU, @TenVTU, @DonViTinh, @PhanTram)

    END

    ELSE

    BEGIN

        THROW 51000, 'Dữ liệu không hợp lệ.', 1;

    END

END;

2.

CREATE PROCEDURE spud\_VATTU\_Xoa

    @MaVTU NVARCHAR(50)

AS

BEGIN

    IF NOT EXISTS (SELECT 1 FROM CTDONDH WHERE MaVTU = @MaVTU)

        AND NOT EXISTS (SELECT 1 FROM CTPNHAP WHERE MaVTU = @MaVTU)

        AND NOT EXISTS (SELECT 1 FROM CTPXUAT WHERE MaVTU = @MaVTU)

        AND NOT EXISTS (SELECT 1 FROM TONKHO WHERE MaVTU = @MaVTU)

    BEGIN

        DELETE FROM VATTU WHERE MaVTU = @MaVTU

    END

    ELSE

    BEGIN

        THROW 51000, 'Không thể xóa vật tư này vì nó đang được sử dụng.', 1;

    END

END;

3.

CREATE PROCEDURE spud\_VATTU\_Sua

    @MaVTU NVARCHAR(50),

    @TenVTU NVARCHAR(255) = NULL,

    @DonViTinh NVARCHAR(50) = NULL,

    @PhanTram FLOAT = NULL

AS

BEGIN

    UPDATE VATTU

    SET TenVTu = ISNULL(@TenVTU, TenVTu),

        Dvtinh = ISNULL(@DonViTinh, Dvtinh),

        Phantram = ISNULL(@PhanTram, Phantram)

    WHERE Mavtu = @MaVTU

END;

Bai 3

1.

CREATE PROCEDURE spud\_DONDH\_TinhThanhtien

    @SoDatHang INT,

    @MaVTU NVARCHAR(50),

    @ThanhTien MONEY OUTPUT

AS

BEGIN

    SELECT @ThanhTien = SUM(CTPXUAT.SLXuat \* CTPXUAT.DGXuat)

    FROM CTPXUAT

    WHERE CTPXUAT.SoPx = @SoDatHang AND CTPXUAT.Mavtu = @MaVTU

END;

2.

CREATE PROCEDURE spud\_PNHAP\_TinhTongSLNHang

    @SoDatHang INT,

    @MaVTU NVARCHAR(50),

    @TongSL INT OUTPUT

AS

BEGIN

    SELECT @TongSL = SUM(CTPNHAP.SLNhap)

    FROM CTPNHAP

    WHERE CTPNHAP.SoPn = @SoDatHang AND CTPNHAP.Mavtu = @MaVTU

END;

3.

CREATE PROCEDURE spud\_TONKHO\_TinhSLDau

    @NamThang NVARCHAR(6),

    @MaVTU NVARCHAR(50),

    @SLDau INT OUTPUT

AS

BEGIN

    SELECT @SLDau = TONKHO.SLDau

    FROM TONKHO

    WHERE TONKHO.NamThang = @NamThang AND TONKHO.Mavtu = @MaVTU

END;

4.

CREATE PROCEDURE spud\_TONKHO\_TinhTongNX

    @NamThang NVARCHAR(6),

    @MaVTU NVARCHAR(50),

    @TongNhap INT OUTPUT,

    @TongXuat INT OUTPUT

AS

BEGIN

    SELECT

        @TongNhap = SUM(TONKHO.TongSLN),

        @TongXuat = SUM(TONKHO.TongSLX)

    FROM TONKHO

    WHERE TONKHO.NamThang = @NamThang AND TONKHO.Mavtu = @MaVTU

END;

5.

CREATE PROCEDURE spud\_TONKHO\_TinhSLCuoi

    @NamThang NVARCHAR(6),

    @MaVTU NVARCHAR(50),

    @SLCuoi INT OUTPUT

AS

BEGIN

    DECLARE @SLDau INT, @TongNhap INT, @TongXuat INT

    EXEC spud\_TONKHO\_TinhSLDau @NamThang, @MaVTU, @SLDau OUTPUT

    EXEC spud\_TONKHO\_TinhTongNX @NamThang, @MaVTU, @TongNhap OUTPUT, @TongXuat OUTPUT

    SET @SLCuoi = @SLDau + @TongNhap - @TongXuat

END;