**BEGIN MAINPROGRAM Withdraw**

Display entry fields amount money to withdraw;

Get amount money from keyboard;

IF amount money > maxwithdraw THEN

Display error message;

Display entry fields amount money to withdraw;

ELSE IF amount money<minwithdraw THEN

Display error message;

Display entry fields amount money to withdraw;

ELSE IF amount money mod 50000 !=0 THEN

Display error message;

Display entry fields amount money to withdraw;

ELSE IF amount money > (balance + overdraft limit) THEN

Display error message;

Display entry fields amount money to withdraw;

ELSE IF amount money > withdrawlimit THEN

Display error message;

Display entry fields amount money to withdraw;

ELSE

Call Pay(amount money);

END IF

**END MAINPROGRAM Withdraw**

**BEGIN SUBPROGRAM Pay(amount money)**

Get tong500k = quantity from database where money value = 500k and atmid = this atm;

Get tong200k = quantity from database where money value = 200k and atmid = this atm;

Get tong100k = quantity from database where money value = 100k and atmid = this atm;

Get tong50k = quantity from database where money value = 50k and atmid = this atm;

Declare sotien500k =0, sotien200k =0, sotien100k = 0, sotien50k =0, check = 0;

Declare tongtien = amount money;

WHILE (tongtien !=0)

IF tongtien > 500k and check != 1 and tong500k !=0

Sotien500k = tongtien mod 500k;

IF sotien500k > tong500k

Sotien500k = tong500k;

ENDIF

Tongtien = tongtien – sotien500k \* 500k;

Tong500k = tong500k – sotien500k;

ENDIF

IF tongtien > 200k and check != 2 and tong200k !=0

Sotien200k = tongtien mod 200k;

IF sotien200k > tong200k

Sotien200k = tong200k;

ENDIF

Tongtien = tongtien – sotien200k \* 200k;

Tong200k = tong200k – sotien200k;

ENDIF

IF tongtien > 100k and check != 3 and tong100k !=0

Sotien100k = tongtien mod 100k;

IF sotien100k > tong100k

Sotien100k = tong100k;

ENDIF

Tongtien = tongtien – sotien100k \* 100k;

Tong100k = tong100k – sotien100k;

ENDIF

IF tongtien > 50k and check != 4 and tong50k !=0

Sotien50k = tongtien mod 50k;

IF sotien50k > tong50k

Sotien50k = tong50k;

ENDIF

Tongtien = tongtien – sotien50k \* 50k;

Tong50k = tong50k – sotien50k;

ENDIF

IF tongtien !=0

CASEWHERE check=0

IF sotien500k >0

Sotien500k = sotien500k -1;

Tongtien = tongtien +500k + sotien200k\*200k + sotien100k\*100k + sotien50k\*50k;

Tong500k = tong500k +1;

Tong200k = tong200k + sotien200k;

Tong100k = tong100k + sotien100k;

Tong50k = tong50k + sotien50k;

Sotien200k =0; sotien100k =0; sotien50k =0;

ENDIF

CASEWHERE check=1

IF sotien200k >0

Sotien200k = sotien200k -1;

Tongtien = tongtien +200k + sotien100k\*100k + sotien50k\*50k;

Tong200k = tong200k +1;

Tong100k = tong100k + sotien100k;

Tong50k = tong50k + sotien50k;

sotien100k =0; sotien50k =0;

ENDIF

CASEWHERE check=2

IF sotien100k >0

Sotien100k = sotien100k -1;

Tongtien = tongtien +100k + sotien50k\*50k;

Tong100k = tong100k +1;

Tong50k = tong50k + sotien50k;

sotien50k =0;

ENDIF

CASEWHERE check=3

Display error page;

ENDCASE

Check = check +1;

ENDIF

ENDWHILE

Display sotien500k, sotien200k, sotien100k, sotien50k;

**END SUBPROGRAM Pay(amount money)**