**Module EPF**

Set cont\_exit = ‘0’

clrscr

REPEAT  
 Set total\_saving = 0  
 Display “ \*\*\* EPF Retirement Calculator\*\*\*”  
 Display “ Retirement Savings”  
 Prompt and Get current\_age, retire\_age, life\_expect, inflation, month\_payout  
 current\_age = ichecker(60,13,0,3)  
 retire\_age = ichecker(70,current\_age,0,3)  
 life\_expect = ichecker(130,retire\_age,0,3)  
 inflation = fchecker(10,0,1,2)  
 month\_payout = fchecker(1000000,1,0,1)  
   
 Display “ EPF Calculations”  
 Prompt and Get acc\_money, month\_income, avg\_incre, contri\_rate, avg\_div  
 acc\_money = fchecker(1000000000,0,1,1)  
 month\_income = fchecker(1000000,0,1,1)  
 avg\_incre = fchecker(10,0,1,2)  
 contri\_rate = fchecker(25,0,1,2)  
 avg\_dvd = fchecker(25,0,1,2)

DO i = current\_age TO i <= retire\_age  
 acc\_money \*= (1 + (avg\_dvd / 100))  
 acc\_money += (month\_income \* contri\_rate / 100) \* 12  
 month\_income \*= (1 + (avg\_incre / 100))  
 i++  
 ENDDO

retire\_yr\_on = retire\_age - current\_age  
spending\_yr\_period = life\_expect - retire\_age  
month\_payout \*= pow(1 + inflation / 100, retire\_age - current\_age - 1)

DO retire\_age to retire\_age <= life\_expect  
 month\_payout \*= (1 + inflation / 100)  
 total\_saving += ceil(month\_payout) \* 12  
 retire\_age++  
ENDDO

Display retire\_yr\_on, spending\_yr\_period, total\_saving, acc\_money

IF total\_saving < acc\_money THEN  
 Display “ Savings is sufficient.”  
 ELSE  
 Display “ Savings is insufficient.”

Display total\_saving - acc  
 ENDIF  
ENDIF

REPEAT  
 Display “Choose any one option to continue? (0 - Calculate again; 1 - Return to main  
 menu; 2 - Exit the program) : ”  
 Prompt and Get cont\_exit

IF Call module flush() == 1 THEN

cont\_exit = ‘3’

ENDIF  
 IF cont\_exit == ‘1’ THEN  
 clrscr  
 ELSE IF cont\_exit == ‘0’ THEN  
 clrscr  
 ELSE IF cont\_exit == ‘2’ THEN  
 Call module exit(0)  
 ELSE  
 Display “Invalid option, please try again.”  
 ENDIF  
 ENDIF  
 ENDIF  
 ENDIF  
UNTIL cont\_exit == ‘0’ && cont\_exit == ‘1’

UNTIL cont\_exit != ‘0’

END