**Module bank\_interest()**

Set cont\_exit = ‘0’

clrscr

REPEAT

Set type = ‘I’

Display “\*\*\*Fixed Deposit Interest Calculator\*\*\*”

Prompt and Get initial\_amount, rate, years

initial\_amount = Call Module dchecker(100000000,1,0,1)

rate = Call Module dchecker(10,1,0,2)

years = Call Module ichecker(100,1,0,0)

set error = 0;

REPEAT

Display “Type of interest”

Display “M – Monthly Q – Quarterly S – Semi-Annually A – Annually” Display “Select :”

IF flush() == ‘1’ THEN

type = ‘f’

ENDIF

CASEOF type

‘M’ :

‘m’ :

freq = 12.0

error = 1

‘Q’ :

‘q’ :

freq = 4.0

error = 1

‘S’ :

‘s’ :

freq = 2.0

error = 1

‘A’ :

‘a’ :

freq = 1.0

error = 1

others :

Display “Please key in alphabet ( M / Q / S / A )”

ENDCASE

UNTIL error != 1

final\_amount = (initial\_amount \* (pow((1.0 + (rate / 100.0 / freq )) , (freq \* years))))

Display final\_amount

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 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’

Call Module exit(0)

ELSE

Display “Invalid option, please try again.”

ENDIF

ENDIF

ENDIF

UNTIL cont\_exit != ‘0’ && cont\_exit != ‘1’

UNTIL cont\_exit == ‘0’

END