**Module ROI()**

Set cont\_exit = ‘0’  
clrscr  
REPEAT  
 Display “ \*\*\*Return of Investment Calculator\*\*\* “  
 Prompt and Get amt\_invested, amt\_returned, investment\_time

amt\_invested = call module fchecker(10000000,1,0,1)  
 amt\_returned = call module fchecker(100000000,1,0,1)  
 investment\_time= call module ichecker(100,1,0,3)

investment\_gain = amt\_returned - amt\_invested  
percentage\_return = ((amt\_returned - amt\_invested) / amt\_invested) \* 100  
annualROI = (pow((1 + percentage\_return/100),(1/investment\_time)) - 1) \* 100

Display investment\_gain, percentage\_return, annualROI  
REPEAT  
 Display “Choose any one option to continue? (0 – Calculate again; 1 – Return to main menu; 2 - Exit to program): “  
 Prompt and get cont\_exit  
 IF Call Module flush() == 1 THEN

cont\_exit == ‘3’

ENDIF  
 IF cont\_exit == ‘1’ THEN  
 system(“cls”)  
 ELSE  
 IF cont\_exit == ‘0’ THEN  
 system(“cls”)  
 ELSE  
 IF cont\_exit == ‘2’ THEN  
 Call Module Exit(0)  
 ELSE  
 Display “Invalid option, please try again.”  
 ENDIF  
 ENDIF

ENDIF  
UNTIL cont\_exit != ‘0’ AND cont\_exit != ‘1’

UNTIL cont\_exit == ‘0’

END