Technical Overview

Functions	Description
input(prompt)	Show a message (prompt), wait for user input, and display what they type.
float(value)	Convert the value to a decimal number, and if it cannot be converted, a value error will be executed.
int(value)	Convert the value to an integer, and if it cannot be converted, a value error will be executed.
exit()	Exit from program depended on the conditions.
range(start,stop,step)	Usually use in loop to start in specific range and steps to repeat its code.
round(number,ndigits)	Round the given number to two decimal places.
print(value)	Take one or more arguments and display what inside it to the user.

variables	Description
Guidance	Store user input for assistance.
max_attempts, max_attempts1, max_attempts 2,	Maximum number of attempts for user input validation.
attempts, attempts1, attempts 2,	Track number of attempts for user input validation.
deposit_amount	Store the valid deposit amount entered by user.
interest_rate	Store the valid interest rate entered by user.
interest_period	Store the valid interest period entered by user.
year	Track the current year in loop in range interest_period for calculating yearly interest.
results	Store the calculated results of yearly interest.

data structures	Description
Loops	While loops and for loop used for iterating through input validation and calculating yearly interest
Conditional Statements	used for decision on user input
strings	used for displaying messages and prompts to the user
float	used for displaying decimal numbers and prompts to the user
int	used for displaying Integers and prompts to the user