//ADD

global proc float add(float $num1, float $num2)

{

return $num1 + $num2;

}

//SUBTRACT

global proc float subtract(float $num1, float $num2)

{

return $num1 - $num2;

}

//DIVIDE

global proc float divide(float $num1, float $num2)

{

if ($num2 == 0)

{

error "Division by zero is not allowed.";

return 0;

}

return $num1 / $num2;

}

//MULTIPLY

global proc float multiply(float $num1, float $num2)

{

return $num1 \* $num2;

}

//CALCULATIONS

global proc float calculator(string $operator, float $params[])

{

float $result = 0;

if ($operator == "add")

{

for ($i = 0; $i < size($params); $i++)

{

$result = add($result, $params[$i]);

}

}

else if ($operator == "subtract")

{

for ($i = 0; $i < size($params); $i++)

{

$result = subtract($result, $params[$i]);

}

}

else if ($operator == "divide")

{

if (size($params) != 2)

{

error "Division requires exactly two parameters.";

return 0;

}

$result = divide($params[0], $params[1]);

}

else

{

error "Invalid operator. Use 'add', 'subtract', or 'divide'.";

}

return $result;

}

//ARRAY

float $params[] = {2.0, 2.0}; // <---ENTER PARAMETERS HERE

string $operator = "add"; // Enter add subtract divide

float $result = calculator($operator, $params);

print("Your calculation: ");

//PRINT SHOWING THE PARAMETERS AND OPERATOR USED FINALLY RESULT

string $message = " ";

for ($i = 0; $i < size($params); $i++)

{

$message += $params[$i];

if ($i < size($params) - 1)

{

$message += " " + $operator + " ";

}

}

$message += " = " + $result;

print($message);