ASSIGNMENT 3

Simple Calculator is a C language-based application used for  
performing all the simple arithmetic operations like addition,  
multiplication, division, and subtraction. The application can be  
made using basic knowledge of C like if-else statements, loops,  
etc.  
The functionalities of the application are mentioned below:  
1. Addition  
2. Subtraction  
3. Multiplication  
4. Division  
5. Logarithmic values  
6. Square roots

**CODE-**

#include <stdio.h>

#include <math.h>

int main()

{

int n;

float a, b, x;

printf("Select the function you want to do\n1. ADDITION\n2. SUBTRACTION\n3. MULTIPLICATION\n4. DIVISION\n5. LOGARITHMIC VALUES\n6. SQUARE ROOT\n");

scanf("%d", &n);

switch(n)

{

case 1: {

printf("Enter the two numbers\n");

scanf("%f %f", &a, &b);

float sum = a + b;

printf("The sum is %f\n", sum);

}

break;

case 2: {

printf("Enter the two numbers\n");

scanf("%f %f", &a, &b);

float difference = a - b;

printf("The difference is %f\n", difference);

}

break;

case 3: {

printf("Enter the two numbers\n");

scanf("%f %f", &a, &b);

float product = a \* b;

printf("The product is %f\n", product);

}

break;

case 4: {

printf("Enter the two numbers\n");

scanf("%f %f", &a, &b);

float division = a / b;

printf("The quotient is %f\n", division);

}

break;

case 5: {

printf("Enter the number\n");

scanf("%f", &x);

float nlog = log(x);

printf("The logarithmic value is %f\n", nlog);

}

break;

case 6: {

printf("Enter the number\n");

scanf("%f", &x);

float root = sqrt(x);

printf("The square root is %f\n", root);

}

break;

default:

printf("INVALID CHOICE\n");

}

return 0;

}

**OUTPUT-**

A screenshot of a computer program

Description automatically generated

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