**ASSIGNMENT 3**

**(SAMPLE CALCULATOR)**

<https://www.programiz.com/online-compiler/3I9lw9zo6b2TI>

#include <stdio.h>

#include <math.h>

int main()

{

float a,b,c;

int j;

printf("Calculator\n");

printf("Enter 1 to convert for Addition, 2 to convert for Subtraction, 3 for Multiplication, 4 for Division, 5 for Logarithmic values & 6 for Square Roots\n");

scanf("%d",&j);

switch(j)

{

case 1:

printf("Enter two numbers\n");

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

c=a+b;

printf("Sum=%f",c);

break;

case 2:

printf("Enter two numbers\n");

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

c-a-b;

printf("Diffrence=%f",c);

break;

case 3:

printf("Enter two numbers\n");

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

c=a\*b;

printf("Product=%f",c);

break;

case 4:

printf("Enter two numbers\n");

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

c=a/b;

if(a==0 || b==0)

printf("Division Not Possible\n");

else

printf("Quotient=%d",c);

break;

case 5:

printf("Enter a number\n");

scanf("%f",&a);

c=log(a);

printf("Log=%f",c);

break;

case 6:

printf("Enter a number\n");

scanf("%f",&a);

c=sqrt(a);

printf("Square Root=%f",c);

break;

default: printf("Invalid input\n");

}

return 0;

}

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Description automatically generated

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