

Assignment On
Computer
Programming
Submitted By
UID-
24BCA10523

Assignment

Name: Making

A Simple

Calculator

In C

```
#include <stdio.h>
```

```
void main() {
```

```
    char operator;
```

```
    float num1, num2, result;
```

```
    printf("Simple Calculator¥n");
```

```
    printf("Enter first number: ");
```

```
    scanf("%f", &num1);
```

```
    printf("Enter an operator (+, -, *, /): ");
```

```
    scanf(" %c", &operator); // Note the space before %c to consume any  
    newline
```

```
    printf("Enter second number: ");
```

```
    scanf("%f", &num2);
```

```
    switch (operator) {
```

```
        case '+':
```

```
            result = num1 + num2;
```

```
            printf("%.2f + %.2f = %.2f¥n", num1, num2, result);
```

```
        break;

    case '-':

        result = num1 - num2;

        printf("%.2f - %.2f = %.2f\n", num1, num2, result);

        break;

    case '*':

        result = num1 * num2;

        printf("%.2f * %.2f = %.2f\n", num1, num2, result);

        break;

    case '/':

        if (num2 != 0) {

            result = num1 / num2;

            printf("%.2f / %.2f = %.2f\n", num1, num2, result);

        } else {

            printf("Error: Division by zero is not allowed.\n");

        }

        break;

    default:

        printf("Error: Invalid operator.\n");

}

}
```

Output

Simple Calculator

Enter first number: 12

Enter an operator (+, -, *, /): +

Enter second number: 13

$12.00 + 13.00 = 25.00$

Simple Calculator

Enter first number: 13

Enter an operator (+, -, *, /): -

Enter second number: 13

$13.00 - 13.00 = 0.00$

Simple Calculator

Enter first number: 14

Enter an operator (+, -, *, /): *

Enter second number: 15

$14.00 * 15.00 = 210.00$