



BS(CS) --A
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20P-0165



calculator.cpp X

calculator.cpp > ...

```
1  #include <iostream>
2  //In Ubuntu There is no need of string but in windows there is //sometimes needed
3  #include <string>
4  using namespace std;
5
6  int main()
7  {
8  float firstNumber = 0.0, secondNumber = 0.0;
9  cout << "Enter First Number:";
10 cin >> firstNumber;
11 cout << "Enter Second Number:";
12 cin >> secondNumber;
13 string x = "";
14 cout << "Enter the operation that you want +, -, *, /";
15 cin >> x;
16 if (x == "+")
17 cout << "The sum of the Given Two Number is : " << firstNumber + secondNumber << endl;
18 else if (x == "-")
19 cout << "The Difference if the Given Two Number is : " << firstNumber - secondNumber << endl;
20 else if (x == "*")
21 cout << "The Multiplication of the Given Two Number is : " << firstNumber * secondNumber << endl;
22 else if (x == "/")
23 cout << "The Division of the Given Two Numbers is : " << firstNumber / secondNumber << endl;
24
25 else
26 cout << "Enter the mentioned operations" << endl;
27 return 0;
28 }
```

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EXPLORER



▼ ASSIGNMENTS_OF_LAB

calculator

calculator.cpp

even_odd1st

even_odd1st.cpp

switch_calculator

switch_calculator.cpp

Task02

Task02.cpp

Task02(company_salary).cpp

tempCodeRunnerFile.cpp



PROBLEMS

OUTPUT

TERMINAL

DEBUG CONSOLE

2: Code



```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ calculator.cpp -o calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"calculator
```

```
Enter First Number:4
```

```
Enter Second Number:4
```

```
Enter the operation that you want +, -, *, /+
```

```
The sum of the Given Two Number is : 8
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ calculator.cpp -o calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"calculator
```

```
Enter First Number:4
```

```
Enter Second Number:4
```

```
Enter the operation that you want +, -, *, /-
```

```
The Difference if the Given Two Number is : 0
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ calculator.cpp -o calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"calculator
```

```
Enter First Number:4
```

```
Enter Second Number:4
```

```
Enter the operation that you want +, -, *, /*
```

```
The Multiplication of the Given Two Number is : 16
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ calculator.cpp -o calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"calculator
```

```
Enter First Number:4
```

```
Enter Second Number:4
```

```
Enter the operation that you want +, -, *, //
```

```
The Division of the Given Two Numbers is : 1
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ calculator.cpp -o calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"calculator
```

```
Enter First Number:4
```

```
Enter Second Number:4
```

```
Enter the operation that you want +, -, *, /9
```

```
Enter the mentioned operations
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ █
```

switch_calculator.cpp > main()

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6  float firstNumber = 0.0, secondNumber = 0.0;
7  cout << "Enter the First Number = ";
8  cin >> firstNumber;
9  cout << "Enter the Second Number = ";
10 cin >> secondNumber;
11 char operation;
12 cout << "Enter the operation You want to perform +, -, *, /:";
13 cin >> operation;
14 switch(operation)
15 {
16 case '+':
17 cout << "The Sum of the Given Two Number is = " << firstNumber + secondNumber << endl;
18 break;
19 case '-':
20 cout << "The Difference of the Given Two Numbers is = " << firstNumber - secondNumber << endl;
21 break;
22 case '*':
23 cout << "The Multiply of the Given Two Numbers is = " << firstNumber * secondNumber << endl;
24 break;
25 case '/':
26 cout << "The Division of the Given Two Numbers is = " << firstNumber / secondNumber << endl;
27 break;
28 default:
29 cout << "Please Enter the operation that are Mentioned" << endl;
30 }
31 return 0;}
```

EXPLORER

ASSIGNMENTS_OF_LAB

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PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

2: Code

```
cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ switch_calculator.cpp -o switch_calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"switch_calculator
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ switch_calculator.cpp -o switch_calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"switch_calculator
Enter the First Number = 4
Enter the Second Number = 4
Enter the operation You want to perform +, -, *, /: +
The Sum of the Given Two Number is = 8
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ switch_calculator.cpp -o switch_calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"switch_calculator
Enter the First Number = 4
Enter the Second Number = 4
Enter the operation You want to perform +, -, *, /: -
The Difference of the Given Two Numbers is = 0
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ switch_calculator.cpp -o switch_calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"switch_calculator
Enter the First Number = 4
Enter the Second Number = 4
Enter the operation You want to perform +, -, *, /: *
The Multiply of the Given Two Numbers is = 16
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ switch_calculator.cpp -o switch_calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"switch_calculator
Enter the First Number = 4
Enter the Second Number = 4
Enter the operation You want to perform +, -, *, /: /
The Division of the Given Two Numbers is = 1
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/Assignments_of_lab$ cd "/home/namiirr/SEMESTERno2/Assignments_of_lab/" && g++ switch_calculator.cpp -o switch_calculator && "/home/namiirr/SEMESTERno2/Assignments_of_lab/"switch_calculator
Enter the First Number = 4
Enter the Second Number = 4
Enter the operation You want to perform +, -, *, /: 4
Please Enter the operation that are Mentioned
```

even_sum.cpp > main()

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int sum = 0, number = 1, range = 0;
7      cout << "Enter the range:";
8      cin >> range;
9      do
10     {
11         if (number % 2 == 0)
12         {
13             sum += number;
14         }
15         number++;
16     } while (number <= range);
17     cout << "The Sum of Even Numbers from 0 to " << range << " is = " << sum << endl;
18     return 0;
19 }
```

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

2: Code



```
cd "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment oop_lab/" && g++ even_sum.cp
p -o even_sum && "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment oop_lab/"even_sum
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment oop_lab$ cd "/home/namiirr/SEMESTERno2/
oop_lab/2ndAssignment oop_lab/" && g++ even_sum.cpp -o even_sum && "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment oo
p_lab/"even_sum
Enter the range:100
The Sum of Even Numbers from 0 to 100 is = 2550
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment oop_lab$ cd "/home/namiirr/SEMESTERno2/
oop_lab/2ndAssignment oop_lab/" && g++ even_sum.cpp -o even_sum && "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment oo
p_lab/"even_sum
Enter the range:500
The Sum of Even Numbers from 0 to 500 is = 62750
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment oop_lab$
```

odd_sum.cpp > main()

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int number = 1, sum = 0, range = 0;
7      cout << "Enter the Range : ";
8      cin >> range;
9      while (number <= range)
10     {
11         if (number % 2 != 0)
12         {
13             sum += number;
14         }
15         number++;
16     }
17     cout << "The Sum of odd number from 0 to " << range << "is = " << sum << endl;
18     return 0;
19
20 }
```


PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

2: Code



```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment_oop_lab$ cd "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment_oop_lab/" && g++ odd_sum.cpp -o odd_sum && "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment_oop_lab/"odd_sum
Enter the Range : 454
The Sum of odd number from 0 to 454is = 51529
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment_oop_lab$ cd "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment_oop_lab/" && g++ odd_sum.cpp -o odd_sum && "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment_oop_lab/"odd_sum
Enter the Range : 100
The Sum of odd number from 0 to 100is = 2500
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment_oop_lab$ s
```

number_table.cpp > main()

```
1  #include <iostream>
2  using namespace std;
3
4  int main()
5  {
6      int number = 0, range = 0;
7      cout << "Enter the Number Which Table you want to calculate = ";
8      cin >> number;
9      cout << "Enter How Much Multiples you want = ";
10     cin >> range;
11     for (int i = 1; i <= range; i++)
12     {
13         cout << number << "X" << i << "=" << number * i << endl;
14     }
15     return 0;
16 }
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment_oop_lab$ cd "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment_oop_lab/" && g++ number_table.cpp -o number_table && "/home/namiirr/SEMESTERno2/oop_lab/2ndAssignment_oop_lab/"number_table
```

```
Enter the Number Which Table you want to calculate = 10
```

```
Enter How Much Multiples you want = 12
```

```
10X1=10
```

```
10X2=20
```

```
10X3=30
```

```
10X4=40
```

```
10X5=50
```

```
10X6=60
```

```
10X7=70
```

```
10X8=80
```

```
10X9=90
```

```
10X10=100
```

```
10X11=110
```

```
10X12=120
```

```
namiirr@namiirr-HP-Pavilion-15-Notebook-PC:~/SEMESTERno2/oop_lab/2ndAssignment_oop_lab$
```



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