

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    double n1, n2, ans;
```

```
    char operation;
```

```
    cout << "Enter 1st number: "; // input
```

```
    cin >> n1;
```

```
    cout << "Enter 2nd number: ";
```

```
    cin >> n2;
```

```
    cout << "Choose operation (+, -, *, /): ";
```

```
    cin >> operation;
```

```
// operation's based on our choice
```

```
    switch (operation) {
```

```
        case '+':
```

```
            ans = n1 + n2;
```

```
            break;
```

```
        case '-':
```

```
            ans = (n1 - n2);
```

```
            break;
```

```
        case '*':
```

```
            ans = n1*n2;
```

```
            break;
```

```
        case '/':
```

```
            // Check for division by zero
```

```
    if (n2 != 0) {  
        ans = n1 / n2;  
    } else {  
        cout << "divisible by zero isn't possible" << endl;  
        return 1;  
    }  
    break;  
default:  
    cout << "Invalid operation." << endl;  
    return 1;  
}
```

```
// required answer
```

```
cout << "Answer: " << ans << endl;
```

```
return 0;
```

```
}
```


