

MODULE 6 ASSESSMENT

Name: Josiah Joed G. Getes

Course & Year: BSCS – 1

- Write the definitions of the member functions as described in the definition of the class testClass.
- Write a test program to test the various operations of the class testClass.

CODE:

```
#include<iostream>
using namespace std;

class testClass
{
public:
    int sum();
    void print() const;
    void input();
    testClass();
    testClass(int a, int b, char o);
private:
    int x;
    int y;
    char ops;
};

void testClass::input()
{
    cout<<"Value of x: ";
    cin>>x;
    cout<<"Value of y: ";
    cin>>y;
    cout<<"Select Operation(+ - * /): ";
```

```
    cin>>ops;
}

void testClass::print() const
{
    //Prints the value of the variable entered by the user
    cout<<"\nInput: "<<x<<" "<<ops<<" "<<y<<" ";
}

int testClass::sum()
{
    switch(ops)
    {
        case '+':
            return x+y;
            break;

        case '-':
            return x-y;
            break;

        case '*':
            return x*y;
            break;
```

```

        case '/':
            return x/y;
            break;

        default:
            cout<<"Operation not available."<<endl;
            break;
    }
}

testClass::testClass()
{
    x = 0;
    y = 0;
    ops = 'o';
}

testClass::testClass(int a, int b, char o)
{
    x = a;
    y = b;
    ops = o;
}

```

```

int main()
{
    testClass solve;
    solve.input();
    solve.print();
    cout<<"\n\nAnswer: "<<solve.sum()<<"\n";
}

```

OUTPUT:

```

Value of x: 1
Value of y: 2
Select Operation(+ - * /): +

Input: 1 + 2

Answer: 3

```

```

Value of x: 10
Value of y: 2
Select Operation(+ - * /): /

Input: 10 / 2

Answer: 5

```

```

Value of x: 2
Value of y: 1
Select Operation(+ - * /): -

Input: 2 - 1

Answer: 1

```

```

Value of x: 1
Value of y: 2
Select Operation(+ - * /): *

Input: 1 * 2

Answer: 2

```