

TASK NO. 02

Switch, Break, Continue, For Loop, Do While Loop,
While Loop

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

using namespace std;

int main()
{
    int a;
    do
    {
        cout << "Welcome User!" << endl;
        cout << "What do you want to do?" << endl;
        cout << "(Choose a number)" << endl;
        cout << "1. Find maximum value\n2. Find sum of numbers\n3. Find table\n4. Exit " << endl;
        cin >> a;
        switch (a)
        {
            case 1:
            {
                int n;
                cout << "Enter number of values:" << endl;
                cin >> n;
                int max = 0;
                int digit;
                cout << "Enter values:" << endl;
                for (int i = 0; i < n; i++)
                {
                    cin >> digit;
                    if (digit > max)
                    {
                        max = digit;
                    }
                    else
                        continue;
                }
                cout << "Maximum value is " << max << endl;
                cout << endl;
                break;
            }
            case 2:
            {
                int num;
                int sum = 0;
                int val;
                cout << "Enter number of values" << endl;
                cin >> num;
                for (int i = 0; i < num; i++)
                {
                    cin >> val;
                    sum = sum + val;
                }
                cout << "Sum is " << sum << endl;
                cout << endl;
                break;
            }
        }
    }
}
```



```
case 3:
{
    int t,c;
    c = 0;
    cout << "Enter number: ";
    cin >> t;
    while (c < 11)
    {
        cout << t << " x " << c << " = " << c * t << endl;
        c++;
    }
    cout << endl;
    break;

}
case 4:
{
    cout << "Thank you!" << endl;
    cout << "You are now exiting..." << endl;
    break;
}
default:
{
    cout << "Wrong Input" << endl;
    break;
}
}
} while (a != 4);
system("pause");
return 0;
}
```

RESULTS

C:\Users\Tooba Khalique\source\repos\Dev Task02\x64\Debug\Dev Task02.exe

```
Welcome User!
What do you want to do?
(Choose a number)
1. Find maximum value
2. Find sum of numbers
3. Find table
4. Exit
1
Enter number of values:4
Enter values:
1
6
89
3
Maximum value is 89

Welcome User!
What do you want to do?
(Choose a number)
1. Find maximum value
2. Find sum of numbers
3. Find table
4. Exit
2
Enter number of values: 3
Enter values:
2
6
7
Sum is 15

Welcome User!
What do you want to do?
(Choose a number)
1. Find maximum value
2. Find sum of numbers
3. Find table
4. Exit
3
Enter number: 4
4 x 0 = 0
4 x 1 = 4
4 x 2 = 8
4 x 3 = 12
4 x 4 = 16
4 x 5 = 20
4 x 6 = 24
4 x 7 = 28
4 x 8 = 32
4 x 9 = 36
4 x 10 = 40

Welcome User!
What do you want to do?
(Choose a number)
1. Find maximum value
2. Find sum of numbers
3. Find table
4. Exit
4
Thank you!
You are now exiting...
Press any key to continue . . .
```