

## Directory of numbers.txt

SMN129USER > source > repos > Lab08 > Lab08				
^	Name	Date modified	Type	Size
	Debug	2/13/2020 3:17 PM	File folder	
	*+ exercise1.cpp	2/13/2020 3:16 PM	C++ Source	1 KB
	*+ Excercise2.cpp	2/13/2020 3:20 PM	C++ Source	1 KB
	*+ excercise3.cpp	2/13/2020 3:20 PM	C++ Source	1 KB
	Lab08.vcxproj	2/13/2020 3:14 PM	VC++ Project	6 KB
	Lab08.vcxproj.filters	2/13/2020 3:14 PM	VC++ Project Filte...	2 KB
	Lab08.vcxproj.user	2/13/2020 2:55 PM	Per-User Project O...	1 KB
	numbers.txt	2/13/2020 3:15 PM	TEXT File	1 KB

## Output of exercise 1 part 2

```
Total score is 180
```

```
//File name: lab08.cpp
//Programmer: McFarlane, Duncan
//Date: 2/13/2020
//Purposes,
// program 1: Output major and year based on input codes
```

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

int main()
{
    string inputval = "";
    string major = "";
    string year = "";
    int valid = 0;

    cout << "Enter two characters: ";
    cin >> inputval;

    switch (inputval.at(0))
    {
        case 'M':
            major = "Mathematics";
            break;
        case 'C':
            major = "Computer Science";
            break;
        case 'I':
            major = "Information Technology";
            break;
        default:
```

```

        valid = 1;
    }
    switch (inputval.at(1))
    {
    case '1':
        year = "Freshman";
        break;
    case '2':
        year = "Sophmore";
        break;
    case '3':
        year = "Junior";
        break;
    case '4':
        year = "Senior";
        break;
    default:
        valid = 2;
    }

    if (valid == 0)
        cout << major << " " << year;
    else if (valid == 1)
        cout << "Invalid major code";
    else if (valid == 2)
        cout << "Invalid status code";
    cout << endl;
    return 0;
}

```

```

Enter two characters: M1
Mathematics Freshman

```

```

Enter two characters: C3
Computer Science Junior

```

```

Enter two characters: T3
Invalid major code

```

```

Enter two characters: M7
Invalid status code

```