

OOP (Object Oriented Programming) Lab

LAB REPORT # 1

Semester: 2nd Semester

Section: B

Submitted To:

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Code:

```
using namespace std;
     string name;
    string reg;
     float m1, m2, m3, m4, m5;
  int sum;
    string CGPA;
 int main()
 student s[3];
    - for (int i = 0; i < 3; i++)</pre>
            cin.ignore();
         getline(cin,s[i].name);
         cout << "Enter Your Registraion Number : ";</pre>
         getline(cin,s[i].reg);
         cout <<- "Enter marks for subject 1: ";
         cin \gg s[i].m1;
         cout << "Enter marks for subject 2 : ";</pre>
         cin >> s[i].m2;
         cin >> s[i].m3;
         cout << "Enter marks for subject 4 : ";</pre>
         cin >> s[i].m4;
         cout << "Enter marks for subject 5 : ";</pre>
         cin \gg s[i].m5;
         s[i].sum = float(s[i].m1 + s[i].m2 + s[i].m3 + s[i].m4 + s[i].m5) / 500 * 100 / 10;
         switch (s[i].sum)
   case 10:
   case 9:
       s[i].CGPA = 'A';
       .rs[i].CGPA = r "B+";
      ..s[i].CGPA = 'B';
    case 6:
       s[i].CGPA = "C+";
   case 5:
       s[i].CGPA = 'C';
       -s[i].CGPA-=-'F';
for (int i = 0; i < 3; i++)
    cout << "The CGAP of student " << s[i].name <<" registraion number " << s[i].reg << " is : " << s[i].CGPA << endl;</pre>
return 0;
```

Output:

```
Enter Your Name : ahmad
Enter Your Registraion Number: 12
Enter marks for subject 1:98
Enter marks for subject 2: 78
Enter marks for subject 3:90
Enter marks for subject 4:64
Enter marks for subject 5: 99
Enter Your Name : qasim
Enter Your Registraion Number: 121
Enter marks for subject 1:65
Enter marks for subject 2: 76
Enter marks for subject 3: 45
Enter marks for subject 4:90
Enter marks for subject 5:66
Enter Your Name : waqas
Enter Your Registraion Number: 11
Enter marks for subject 1:56
Enter marks for subject 2:98
Enter marks for subject 3: 77
Enter marks for subject 4: 97
Enter marks for subject 5: 49
The CGAP of student ahmad registraion number 12 is : B+
The CGAP of student qasim registraion number 121 is : C+
The CGAP of student waqas registraion number 11 is : B
```