

Sherjeel Akhtar
20.09.2020 (1)

Day

M	T	W	T	F	S
---	---	---	---	---	---

Date _____

Q : No : 2

```
# include <iostream>
```

```
# include <string>
```

```
using namespace std;
```

```
double getAvg (int number, int score[][5])
```

```
{
```

```
    double sum_score = 0;
```

```
    for (int i=0; i<5; i++)
```

```
{
```

```
        sum_score += score [number] [i];
```

```
}
```

```
    return sum_score / 5;
```

```
}
```

```
void setGrade (int number, int score[][5],
```

```
    string * grade)
```

```
{
```

```
    double avg_score;
```

```
    avg_score = getAvg (number, score);
```

```
    if (avg_score >= 90 && avg_score <= 100)
```

```
{
```

```
        grade [number] = "A";
```

```
}
```


Date _____

②

Day

M	T	W	T	F	S
---	---	---	---	---	---

```
else if (avg_score >= 80 && avg_score <= 89)
```

```
{
```

```
    glade [number] = "B";
```

```
}
```

```
else if (avg_score >= 70 && avg_score <= 79)
```

```
{
```

```
    glade [number] = "C";
```

```
}
```

```
else if (avg_score >= 60 && avg_score <= 69)
```

```
{
```

```
    glade [number] = "D";
```

```
}
```

```
else if (avg_score < 60)
```

```
{
```

```
    glade [number] = "F";
```

```
}
```

```
}
```

```
string getGlade (int number, int score[][5],  
                string * glade)
```

```
{
```

```
    setGlade (number, score, glade);
```

```
    return glade [number];
```

```
}
```

```
void setScore (int number, int score[][5])
```



```
{
    for (int i = 0; i < 5; i++)
    {
        cin >> score[number][i];
    }
}

void setName (int number, string * name)
{
    cin >> name[number];
}

string getName (int number, string * name)
{
    return name[number];
}

void Display (int number, int score[][5],
              string * glade, string * name)
{
    cout << "Name:" << getName(number, name) << endl;

    cout << "Test Score :";

    for (int i = 0; i < 5; i++)
    {
        cout << score[number][i] << " ";
    }

    cout << endl;

    cout << "Glade" << getGlade(number, score,
                                   glade) << endl;

    cout << "Avg Score" << getAvg(number, score);
}
```

```
int main()
{
    string names[10];

    int test_score[10][5];

    string test_grade[10];

    for (int i=0; i<10; i++)
    {
        cout << "Enter name" << i+1 << " student: ";

        setName(i, names);

        cout << "Enter test score: ";

        setScore(i, test_score);
    }

    for (int i=0; i<10; i++)
    {
        Display(i, test_score, test_grade, names);
    }

    float all_avg = 0;

    for (int i=0; i<10; i++)
    {
        all_avg += getAvg(i, test_score);
    }

    all_avg /= 10;

    cout << "The class average." << all_avg << endl
    << endl;
}
```