

DOP-0147 - Roll No

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7 10 5

QNO-2

```
#include <iostream>
using namespace std;
int l=0, classMarks=0, classavg;
```

```
string name[10];
int score[10][5];
char grade[10];
int studentAvgarray[10];
```

```
int storeData()
```

```
{
    for(int i=0; i<10; i++)
```

```
{
    cout << "Enter the name of the"
    << " student" << i+1 << ": ";
    cin >> name[i];
```

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

```
{
    cout << "Enter the" << name[i] <<
    << " marks: ";
    cin >> score[i][j];
```

```
    cout << endl;
```

```
}
```



```
int avgScoreAnd Grades ()
```

```
{  
    int avg;
```

```
    for (int i=0; i<10; i++)
```

```
    {
```

```
        int scounter = 0;
```

```
        int studentmarks = 0;
```

```
        int studentavg = 0;
```

```
        int totalMarks = 0;
```

```
        int counter = 0;
```

```
    {
```

```
        totalMarks += score[i][i];
```

```
        scounter += 1  
    }
```

```
    studentavg = studentmarks / scounter;
```

```
    studentAvgarray[i] = studentavg;
```

```
    cout << endl;
```

```
    avg = totalMarks / counter;
```

```
    classavg = classMarks / c;
```

```
    if (avg < 50)
```

```
        grade[i] = 'F';
```

```
    else if (avg >= 50) && (avg < 70)
```

```
        grade[i] = 'D';
```

```
else if ((avg >= 70) && (avg < 80))  
    grade[i] = 'C';
```

```
else if ((avg >= 80) && (avg < 90))  
    grade[i] = 'B';
```

```
else if ((avg >= 90) && (avg <= 100))  
    grade[i] = 'A';
```

```
}  
}
```

```
int result()  
{ cout << "class average is"  
  << classavg << endl << endl; }
```

```
for (int i = 0; i < 10; i++)  
{ cout << name[i] << " ";  
  for (int j = 0; j < 5; j++)  
  {
```

```
    cout << score[i][j] << " ";  
  }
```

```
  cout << "avg" << studentAvgarray[i]  
    << " ";
```

```
  cout << "Grade: " << grade[i] << endl;  
}
```

```
}
```



```
int main()  
{
```

```
    storeData();
```

```
    avgScoreAndGrades();
```

```
    result;
```

```
}
```