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다 ☆ D | Ł O R :
replit.com/@RonishStha/Cs360labbbb
                                                                                                                                         Q %+ Invite P Deploy Q ? RO ~
labbbb 🗸 🗐
                                                                               ▶ Run
                                                                                                         ··· >_ Console ⊕ × ጭ Shell +
           C·· main.cpp × +
☐ : C→ main.cpp

    □ Format  
    ✓ Run

                                                                                                                                                                    54s on 23:54:14, 02/29 🗸
              1 #include <iostream>
                                                                                                              Enter total number of students: 3 Enter details of student 1:
               2 using std::cout;
                                                                                                              Enter details of student 1:
Enter name: Kathik
Enter course number: 1201
Enter total grades out of 500: 456
Enter details of student 2:
Enter name: Mahesh
Enter course number: 1202
Enter total grades out of 500: 398
Enter details of student 3:
Enter name: Kiran
Enter course number: 1203
              3 using std::cin;
              5 #define MAX 10
              7 √ class student {
              8 private:
                      char name[30];
                                                                                                              Enter name: Kiran
Enter course number: 1203
Enter total grades out of 500: 456
             10
                        int courseNum;
                       int total;
             11
              12
                       float perc;
                                                                                                              Details of student 1:
Student details:
             13 public:
                      void getDetails(void); //member function to get student's
             14
                                                                                                              Name:Kathik, Course Number:1201, Total:456, Percentage:91.2%
                  details
                                                                                                              Details of student 2:
                       void putDetails(void); //member function to print student's
                                                                                                              Student details:
Name:Mahesh, Course Number:1202, Total:398, Percentage:79.6%
                   details
             16 };
                                                                                                              Details of student 3:
             17
             18 void student::getDetails(void) {
                                                                                                               Student details:
                                                                                                              Name:Kiran, Course Number:1203, Total:456, Percentage:91.2%
             19
                        cout << "Enter name: ";</pre>
             20
                        cin >> name;
                        cout << "Enter course number: ";</pre>
             21
             22
                        cin >> courseNum;
             23
                        cout << "Enter total grades out of 500: ";</pre>
                     cin >> total;
perc = (float)total / 500 * 100;
             24
             25
```

## Q2)

```
\Box
                                                      ▶ Run
                                                                                                    Q
                                                                                                       2+
C→ main.cpp × +
                                                                       >_ Console 🗓 × +
C++ main.cpp > ...
                                                              ∨ Run
  1 #include<iostream>
                                                                       Enter an integer value: 12
  2
                                                                       Enter a character: S
                                                                       Enter a float value: 12.12
  3 using std::cout;
                                                                       Values read from keyboard are
  4 using std::cin;
                                                                       Integer value: 12
  5 using std::endl;
                                                                       character is :S
                                                                       float value is :12.12
  6
  7 v class sample {
  8 private:
  9
         int a:
 10
         char b;
 11
         float c;
 12
 13 public:
 14 🗸
          void get_data() {
 15
              cout << "Enter an integer value: ";</pre>
 16
              cin >> a;
 17
              cout << "Enter a character: ";</pre>
              cin >> b;
 18
 19
              cout << "Enter a float value: ";</pre>
 20
              cin >> c;
 21
          }
```

```
plit.com/@RonishStha/Cs360labbbb#main.cpp
                                                                                                                                              □☆☆□□
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                                                                            ▶ Run
                                                                                                                                     C→ main.cpp × +
                                                                                             ··· >_ Console ⊞ × +
                                                                                      □ Format ∨ Run
        C→ main.cpp
} :
                                                                                                 Rectangle 1: Length: 5, Width: 2.5
Area: 12.5, Perimeter: 15
Rectangle 2: Length: 5, Width: 18.9
Area: 94.5, Perimeter: 47.8
Do the rectangles have the same area? No
Rectangle 1: Length: 15, Width: 6.3
Area: 94.5, Perimeter: 42.6
Rectangle 2: Length: 5, Width: 18.9
Area: 94.5, Perimeter: 47.8
Do the rectangles have the same area? Yes
            1 #include <iostream>
           3 √ class Rectangle {
                    float length;
                      float width;
            6
            7 public:
                   void setLength(float l) {
            8 ,
            9
                        length = l;
           10
           11
                                                                    Generate # I
           12 🗸
                      void setWidth(float w) {
           13
                        width = w;
           14
           15
           16 🗸
                      float perimeter() {
                       return 2 * (length + width);
           17
           18
           19
           20 🗸
                      float area() {
                      return length * width;
           21
           22
           23
           24 🗸
                      void show() {
           25
                       std::cout << "Length: " << length << ", Width: "
 ₩ûF
                << width << std::endl;
           26 }
```

Q4)

