```
// Ques: Take 2 integers input and print the greatest of them.

# include <iostream>
using namespace std;

int main(){
    int a;
    cout<<"enter your first number: ";
    cin>>a;
    int b;
    cout<<"enter your second number: ";
    cin>>b;
    if(a>b){
        cout<<a<<"ist greater than "<<b;
        }
        else cout<<b<<"ist greater than "<<a;
}</pre>
```

C→ question1.cpp > 分 main()

PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> cd "c:\Use rs\SANDEEP\Desktop\coding\c ++\class assignment\assignm ent L3\"; if (\$?) { g++ qu estion1.cpp -o question1 } ; if (\$?) { .\question1 } enter your first number: 5 enter your second number: 7 7 is greater than 5 PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> []

PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> cd "c:\Use rs\SANDEEP\Desktop\coding\c ++\class assignment\assignm ent L3\"; if (\$?) { g++ qu estion2.cpp -o question2 } ; if (\$?) { .\question2 } enter radius : 4 area of this circle is grea ter than circumference PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3>

PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> cd "c:\Use rs\SANDEEP\Desktop\coding\c ++\class assignment\assignm ent L3\" ; if (\$?) { g++ qu estion3.cpp -o question3 } ; if (\$?) { .\question3 } enter your year : 1976 1976 is a leap year PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3>

```
← question4.cpp > ♠ main()

                                                                                                                                        PS C:\Users\SANDEEP\Desktop
      //Given the length and breadth of a rectangle, write a program to find whether numerically the area of
                                                                                                                                        \coding\c++\class assignmen
      //the rectangle is greater than its perimeter.
                                                                                                                                        t\assignment L3> cd "c:\Use
      # include <iostream>
                                                                                                                                        rs\SANDEEP\Desktop\coding\c
      using namespace std;
                                                                                                                                        ++\class assignment\assignm
      int main(){
                                                                                                                                        ent L3\" ; if ($?) { g++ qu
          int length = 5;
                                                                                                                                        estion4.cpp -o question4 }
          int breadth = 7;
                                                                                                                                        ; if ($?) { .\question4 }
          int area = length * breadth;
                                                                                                                                        area is greater.
          int perimeter = 2*(length+breadth);
                                                                                                                                        PS C:\Users\SANDEEP\Desktop
          if(area > perimeter){
                                                                                                                                        \coding\c++\class assignmen
              cout<<"area is greater.";
                                                                                                                                        t\assignment L3>
              else cout<<"perimeter is greater.";</pre>
```

```
← question5.cpp > 🕅 main()
                                                                                                                                           PS C:\Users\SANDEEP\Desktop
  1 \vee //Write a program to input sides of a triangle and check whether a triangle is equilateral, scalene or
                                                                                                                                           \coding\c++\class assignmen
      // isosceles triangle.
                                                                                                                                           t\assignment L3> cd "c:\Use
                                                                                                                                           rs\SANDEEP\Desktop\coding\c
      // Output: This is an Isosceles triangle.
      # include<iostream>
                                                                                                                                           ent L3\"; if ($?) { g++ qu
      using namespace std;
                                                                                                                                           estion5.cpp -o question5 }
  7 \vee int main()
                                                                                                                                           ; if ($?) { .\question5 }
           int a = 5;
                                                                                                                                           This is an isoceles triangl
           int b = 4;
           int c = 4;
                                                                                                                                           PS C:\Users\SANDEEP\Desktop
                                                                                                                                           \coding\c++\class assignmen
           if(a==b==c){
               cout<<"This is an equilateral triangle.";</pre>
                                                                                                                                           t\assignment L3>
           else if ( a==b || b==c ||a==c )
              cout<<"This is an isoceles triangle.";</pre>
          else cout<<"This is scalene triangle.";</pre>
```

```
C→ question6.cpp > 分 main()
  1 // If the marks of A, B and C are input through the keyboard, write a program to determine the student
      // scoring the least marks.
      // Output : 'A' has the least marks
      # include<iostream>
      using namespace std;
       int main(){
           int A:
           cout<<"enter the marks of A : ";</pre>
           cin>>A;
           int B;
           cout<<"enter the marks of B : ";</pre>
           cin>>B;
           int C;
           cout<<"enter the marks of C : ";</pre>
           cin>>C;
           if(A<B && A<C){
               cout<<"'A' has the least marks.";</pre>
           else if(B<A && B<C){
               cout<<"'B' has the least marks.";</pre>
           else cout<<"'C' has the least marks.";</pre>
```

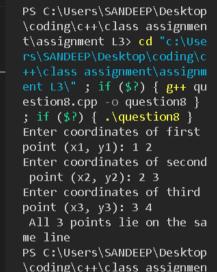
PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> cd "c:\Use rs\SANDEEP\Desktop\coding\c ++\class assignment\assignm ent L3\"; if (\$?) { g++ qu estion6.cpp -o question6 } ; if (\$?) { .\question6 } enter the marks of A : 23 enter the marks of B : 34 enter the marks of C : 71 'A' has the least marks. PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3>

```
C→ question7.cpp > 分 main()
      //Given a point (x, y), write a program to find out if it lies on the x-axis,
      // y-axis or at the origin, viz. (0, 0).
      # include<iostream>
      using namespace std;
       int main(){
           int x;
           cout<<"enter the x point : ";</pre>
           cin>>x;
           int v;
           cout<<"enter the y point : ";</pre>
           cin>>y;
           if(x==0 \& y!=0)
               cout<<"the point lies on the y - axis.";</pre>
           else if ( x!=0 \&\& y==0)
               cout<<"the point lies on the x - axis.";</pre>
           else if ( x==0 && y==0)
               cout<<" the point lies at the origin.";</pre>
           else cout<<"the point is not the any axis.";</pre>
```

PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> cd "c:\Use rs\SANDEEP\Desktop\coding\c++\class assignment\assignment L3\"; if (\$?) { g++ qu estion7.cpp -o question7 } ; if (\$?) { .\question7 } enter the x point : 2 enter the y point : 0 the point lies on the x - a xis.

PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3>

```
C→ question8.cpp > 分 main()
      // (x3, y3), write a program to check if all the three points fall on one straight line.
      // Output 1: All 3 points lie on the same line
      # include<iostream>
      using namespace std:
      int main() {
           int x1, y1, x2, y2, x3, y3;
          cout << "Enter coordinates of first point (x1, y1): ";</pre>
           cin >> x1 >> y1;
          cout << "Enter coordinates of second point (x2, y2): ";</pre>
           cin >> x2 >> y2;
          cout << "Enter coordinates of third point (x3, y3): ";</pre>
           cin >> x3 >> y3;
          float slope1 = (y2 - y1) * 1.0 / (x2 - x1);
          float slope2 = (y3 - y2) * 1.0 / (x3 - x2);
          if(slope1==slope2){
              cout<<" All 3 points lie on the same line";</pre>
           else cout<<" All 3 points do not lie on the same line";
```



t\assignment L3>

PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3> cd "c:\Use rs\SANDEEP\Desktop\coding\c ++\class assignment\assignm ent L3\"; if (\$?) { g++ qu estion9.cpp -o question9 } ; if (\$?) { .\question9 } enter your character: 9 digit. PS C:\Users\SANDEEP\Desktop \coding\c++\class assignmen t\assignment L3>

```
C++ question10.cpp
     //Predict the output of the below code:
     //#include<iostream>
  3 // using namespace std;
  4 // int main() {
     // int a = 500, b, c;
     // if (a >= 400)
  7 // b = 300;
     // c = 200;
      // cout << "value of b and c are respectively " << b << " and " << c;</pre>
     // return 0;
 10
 11
 12
      // value of b and c are respectively 300 and 200
 13
```