Problem1

Convert 40000s into hours ,minutes and seconds

Program code

#include <iostream>

using namespace std;

int main()

{

int h,m,s;

h=40000/3600;

m=(40000-3600\*h)/60;

s=(40000-3600\*h-60\*m);

cout<<"It takes"<<h<<"hours "<<m<<"minutes "<<s<<"seconds"<<endl;

}

Program analysis

Using the integer division to make the program more simple

Program result

Problem 2

Program code

#include <iostream>

using namespace std;

int main()

{

int a,b,c;

cin>>a>>b>>c;

if ((a+b>c) && (b+c>a) && (a+c>b))

{

}

else cout<<"The 3 number cannot form a triangle"<<endl;

}

Program analysis

Program result

Problem 3

Program code

Program analysis

Program result

Problem 4

Program code

Program analysis

Program result

Problem 5

Program code

Program analysis

Program result