Question 1: This program output different length of Variable

Program code

#include <iostream>

using namespace std;

int main()

{

int a=5;

double x=0.0;

float f=10;

char c='\141';

cout <<sizeof(char)<<","<<sizeof(c)<<"\n";

cout <<sizeof(int)<<","<<sizeof(a)<<"\n";

cout <<sizeof(float)<<","<<sizeof(f)<<"\n";

cout <<sizeof(double)<<","<<sizeof(x)<<"\n";

system("pause");

return 0;

}

**Program analysis**:

This program output different length of Variable

Program result

Question 2: This program introducts the fuction of a++ and ++a

Program code

#include <iostream>

using namespace std;

int main()

{

int a=6,b=6;

cout<<a<<","<<++a<<"\n";

cout<<b<<","<<b++<<"\n";

system("pause");

return 0;

}

**Program analysis**:

This program first input 2 variables.

For a, “++a”=a+1. and a becomes a+1;

For b, ”b++”=b. and b becomes b+1;

So a=b=7; ++a=7; b++=6

Program result

Question 3: This program output a number “8”

Program code

#include <iostream>

using namespace std;

int main()

{

cout<<" ##### "<<endl;

cout<<"# #"<<endl;

cout<<"# #"<<endl;

cout<<" ##### "<<endl;

cout<<"# #"<<endl;

cout<<"# #"<<endl;

cout<<" ##### "<<endl;

system("pause");

return 0;

}

**Program analysis**:

This program use 7cout statements to output an image of number ” 8”

Program result

Question 3: write a program to calculate the sum, difference, product and quotient.

Program code

#include <iostream>

using namespace std;

int main()

{

int m,n;

cout << "输入两个整数" <<endl;

cin >>m>>n;

cout <<"The sum is "<<m+n<<endl;

cout <<"The difference is "<<m-n<<endl;

cout <<"The product is "<<m\*n<<endl;

cout <<"The quotient is "<<m/n<<endl;

system("pause");

return 0;

}**Program analysis**:

This program first reads 2 number ,then do some calculations.

The thing needs to be paid attention to is when you want to calculate the quotient,

The result is not the exact number.

The definition of the quotient of 2 int is also int.

Program result