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1	<p>Write a program that asks for two numbers, compare them and show the maximum. Declare a function called max_two that compares the numbers and returns the maximum.</p> <pre>#include<iostream> using namespace std; int max_two(int a, int b) { return (a>b)?a:b; } int main() { int a,b; cout<<"Enter two numbers : "<<endl; cin>>a>>b; int max = max_two(a,b); cout<<"The maximum of the two numbers is : "<<max; return 0; }</pre>
	<p>Output Screenshot:</p> 
2	<p>Write a program that asks a name say hello. Use your own function, that receives a string of characters (name) and prints on screen the hello message. (Doesn't returns anything- void type).</p>
	<p>Program:</p>

```
#include<iostream>
using namespace std;

void hello(string s)
{
    cout<<"Hello "<<s;
}

int main()
{
    string s;
    cout<<"Enter your name : ";
    cin>>s;
    hello(s);
    return 0;
}
```

	<p>Output Screenshot:</p> <pre> PS D:\vishwas\sem3\C++\week3> cd "d:\vishwas\sem3\C++\week3\" ; if (\$?) { g++ hello.cpp -o hello } ; if (\$?) { .\hello } Enter your name : vishwas Hello vishwas PS D:\vishwas\sem3\C++\week3> </pre>
3	<p>Write a C++ program to find the max of an integral data set. The program will ask the user to input the number of data values in the set and each value. The program prints on screen a pointer that points to the max value.</p> <pre> #include<iostream> using namespace std; int main() { int a[10]; cout<<"Enter the values of the data set : "<<endl; for(int i=0;i<10;i++) cin>>a[i]; int *ptr,max; ptr = &a[0]; max = a[0]; for(int i=1;i<10;i++) { if(a[i]>max) { max = a[i]; ptr = &a[i]; } } cout<<"The max value in the data set is : "<<*ptr; return 0; } </pre>
	<p>Output Screenshot:</p>

	<pre>PS D:\vishwas\sem3\C++\week3> cd "d:\vishwas\sem3\C++\week3\" ; if (\$?) { g++ data.cpp -o data } ; if (\$?) Enter the values of the data set : 23 44 23 34 23 45 65 76 78 66 The max value in the data set is : 78 PS D:\vishwas\sem3\C++\week3> █</pre>
4	<p>Given the string "A string." Print on one line the letter on the index 0, the pointer position and the letter t. update the pointer to pointer +2. Then, in another line print the pointer and the letters r and g of the string (using the pointer).</p>
	<pre>#include<iostream> using namespace std; int main() { char str[] = "A string."; char *pc = str; cout<<"Letter at str[0]= "<<str[0]<<" the ptr position= "<<*pc<<" lett er= "<<pc[3]<<endl; pc += 2; cout<<"Updated ptr by 2: ptr= "<<*pc<<" letter= "<<pc[2]<<" letter= "< <pc[5]<<endl; return 0; }</pre>
	<p>Screenshot:</p> <pre>PS D:\vishwas\sem3\C++\week3> cd "d:\vishwas\sem3\C++\week3\" ; if (\$?) { g++ D.cpp -o D } ; if (\$?) { .\D } Letter at str[0]= A the ptr position= A letter= t Updated ptr by 2: ptr= s letter= r letter= g PS D:\vishwas\sem3\C++\week3> █</pre>