



























Homework Solutions:

```
// Calculate "Simple Interest" from Principal (P), Rate (R) & Time (T).
#include <iostream>
using namespace std;
int main(){
  int prin, rate, time; // Time should be in days
  cout << "Enter the principle amount: ";</pre>
  cin >> prin;
  cout << "Enter the rate of interest: ";</pre>
  cin >> rate;
  cout << "Enter the time which is required: ";</pre>
  cin >> time;
  float si = prin * rate * time;
  cout << "The calculated Simple Interest is: " << si;</pre>
  return 0;
}
// Calculate Max of 2 numbers.
#include <iostream>
using namespace std;
int main(){
  int a, b;
  cout << "Enter the first element: ";</pre>
  cin >> a;
  cout << "Enter the second element: ";</pre>
  cin >> b;
  if (a>b){
    cout << a << " is greater than " << b;
    return 0;
  } else {
    cout << b << " is greater than " << a;
    return 0;
  }
}
```

```
// Calculate Factorial of a number N.
#include <iostream>
using namespace std;
int main(){
  long long int num, fact = 1, i = 1;
  cout << "Enter the number: ";</pre>
  cin >> num;
  for(i = 1; i <= num; i++){
    fact *= i;
  }
  cout << "Factorial of given number is: " << fact;</pre>
  return 0;
}
// Given a person's age, find if they should get a driving license or not.
#include <iostream>
using namespace std;
int main(){
  int age = 0;
  cout << "Enter the age of an person: ";
  cin >> age;
  if(age >= 18 && age <= 100){
    cout << "You are eligible to get driving licence!";</pre>
  } else if(age < 18 && age > 0){
    cout << "You are not eligible for driving licence!";</pre>
  } else {
    cout << "Invalid Age!";</pre>
  }
  return 0;
}
```