

Assignment and cin Statements

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

int main ()

{int id;
  double gross, hours, rate, net, fed, state, fica, total;

  //-----
  id = 1234;
  hours=40;
  rate=5.00;

  //-----
  gross = hours* rate;
  fed=gross*0.2;
  state=gross*0.05;
  fica=gross*0.0765;
  total=fed+state+fica;
  net = gross-total;

  //-----
  cout.setf(ios::fixed);
  cout.setf(ios::showpoint);
  cout.precision(2);
  cout << "Gross : $ " << gross << "\t";
  cout << "Hours : " << hours << endl;
  cout << "Rate : " << rate << endl;
  cout << "net : " << net << endl;

  return (0);
}
```

Here the program assigns the value to id, hours and rate and produces the same answer every time.

The program assigns values to state, federal and fica since these do not change and then calculates the gross, total and net.

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

int main ()

{int id;
  double gross, hours, rate, net, fed, state, fica, total;

  //-----
  cout << "Enter Employee Id: " ;
  cin >> id;
  cout << "Enter Employee hours worked: " ;
  cin >> hours;
  cout << "Enter Employee pay rate: " ;
  cin >> rate;

  //-----
  gross = hours* rate;
  fed=gross*0.2;
  state=gross*0.05;
  fica=gross*0.0765;
  total=fed+state+fica;
  net = gross-total;

  //-----
  cout.setf(ios::fixed);
  cout.setf(ios::showpoint);
  cout.precision(2);
  cout << "Gross : $ " << gross << "\t";
  cout << "Hours : " << hours << endl;
  cout << "Rate : " << rate << endl;
  cout << "net : " << net << endl;

  return (0);
}
```

Here the program gets the information from the keyboard (with a user prompt) for the values to id, hours and rate and produces a new answer every time the program is run.