```
/*
QUESTION 2
   -------------
*/

#include <iostream>

using namespace std;

void calculatePartTimeSalary()
{
    string name(""), surname("");
    int hoursWorked(0), overtimeHoursWorked(0);
    int salary(0);

    cout << "Enter the employee's name : " << endl;
    cin >> name;
    cout << "Enter the employee's surname : " << endl;
    cin >> surname;
    cout << "Enter hours worked : " << endl;
    cin >> hoursWorked;
    cout << "Enter overtime hours worked : " << endl;
    cin >> overtimeHoursWorked;

    if(hoursWorked > 40){
      overtimeHoursWorked += hoursWorked-40;
      hoursWorked -= 40;
    }

    salary = (hoursWorked * 300) + (overtimeHoursWorked * 300 * 2);

    cout << "The employee " << name << " " << surname << " should be paid : " << "R" << salary;

}


int main()
{
   string answer("");
   cout << "Do you want to enter the employee details ? Y or N : "<< endl;
   cin >> answer;

   if ( answer == 'Y')
   {
     calculatePartTimeSalary();
   }
   else
   {
     cout << "No order done today." << endl;
   }

   return 0;
}
```

```
/*
QUESTION 3
----------
*/

#include <iostream>
#include <fstream>
#include <string>
using namespace std;

void calculateNetSalary()
{
   string name(""), surname("");
   double grossSalary(0);
   double netSalary(0);

   cout << "Enter the employee's name : " << endl;
   cin >> name;
   cout << "Enter the employee's surname : " << endl;
   cin >> surname;
   cout << "Enter the gross salary : " << endl;
   cin >> grossSalary;

   netSalary = grossSalary - (grossSalary * 0.12) - 148.72;

   cout << "The net salary of the employee " << name << " " << surname << " is : " << "R" << netSalary << endl;

   string const myFile("C:/employeeSalary.txt");
   ofstream myFlux(myFile.c_str());

   if(myFlux)
   {
      myFlux << name << " " << surname << " " << "R" << netSalary << endl;
   }
   else
   {
      cout << "ERROR." << endl;
   }
   myFlux.close()

}

int main()
{
  char order("");

  cout << "Do you want to calculate the net salary ? Y or N : " << endl;
  cin >> order;

  if( (order == 'Y') ){
     calculateNetSalary();
  }else{
     cout << "No order done today.";
  }


  return 0;
}
```

```
/*

   QUESTION 4.1
   ------------

*/

#include <iostream>

using namespace std;

int main()
{

   int bonus(0);
   int numberPrescriptions(0);

   cout << "Enter Number of prescriptions : " << endl;
   cin >> numberPrescriptions;

   bonus  = 0.3 * 100 * numberPrescriptions;

   cout << "The bonus for this number of prescriptions(" << numberPrescriptions << ") is : " << bonus << endl;

   return 0;
}
```

```
/*
   QUESTION 4.2
   ------------
*/

#include <iostream>

using namespace std;

int getTotalPrescription()
{
    int n(0);
    cout << "Enter Number of prescriptions : " << endl;
    cin >> n;

    return n;
}


int calculBonus(int p)
{
   int bonus(0);
   bonus  = 0.3 * 100 * p;
   return bonus;
}


int main()
{

   int bonus(0);
   int numberPrescriptions(0);

   numberPrescriptions = getTotalPrescription();

   cout << "The bonus for this number of prescriptions(" << getTotalPrescription() << ") is : " <<
calculBonus(numberPrescriptions) << endl;


   return 0;
}
```

```
/*
---------------------------------------
SECTION C
---------------------------------------

QUESTION 5
---------

*/

#include <iostream>
#include <fstream>
#include <string>
using namespace std;

int main()
{
  ifstream myFile("C:/pupilsname.txt");

  if(myFile)
  {

    string line;

    while(getline(myFile, line))
    {
      cout << line << endl;
    }

    myFile.close();
  }
  else
  {
    cout << "ERROR. File doesn't exist" << endl;
  }

  return 0;
}
```

```
/*

   QUESTION 6

*/

#include <iostream>

using namespace std;

int main()
{

   int p(100);
   float n(0);
   float i(0);
   int compteurMultiple(0);

   cout << "Enter Number: " << endl;
   cin >> n;

   cout << "The multiples of 4 under " << n << " are : " << endl;

   while (i < n)
   {
      if( (i % 4) == 0 ){

         cout << i <<endl;
         compteurMultiple++;
         i++;
      }

   }

   cout << "The count is: " + compteurMultiple;
   return 0;
}
```