

```
#include <stdio.h>
```

```
int main() {
```

```
    float hoursWorked, hourlyWage, grossPay, taxes, netPay;
```

```
    float overtimeHours = 0, overtimePay = 0;
```

```
    float taxRate1 = 0.15, taxRate2 = 0.20;
```

```
    float taxLimit = 600;
```

```
    // Request the user to input hours worked and hourly wage
```

```
    printf("Enter the hours worked in a week: ");
```

```
    scanf("%f", &hoursWorked);
```

```
    printf("Enter the hourly wage: ");
```

```
    scanf("%f", &hourlyWage);
```

```
    // Calculate gross pay (taking overtime into account)
```

```
    if (hoursWorked > 40) {
```

```
        overtimeHours = hoursWorked - 40; // Calculate overtime hours
```

```
        overtimePay = overtimeHours * hourlyWage * 1.5; // Overtime is time and a half
```

```
        grossPay = (40 * hourlyWage) + overtimePay; // Regular pay + Overtime pay
```

```
    } else {
```

```
        grossPay = hoursWorked * hourlyWage; // No overtime
```

```
    }
```

```
    // Calculate taxes
```

```
    if (grossPay <= taxLimit) {
```

```
        taxes = grossPay * taxRate1; // 15% tax for the first $600
```

```
    } else {
```

```
        taxes = (taxLimit * taxRate1) + ((grossPay - taxLimit) * taxRate2); // 15% tax on the first $600 and  
        20% on the rest
```

```
}

// Calculate net pay
netPay = grossPay - taxes;

// Print the results
printf("\nGross Pay: $%.2f\n", grossPay);
printf("Taxes: $%.2f\n", taxes);
printf("Net Pay: $%.2f\n", netPay);

return 0;
}
```