**ASSIGNMENTS**

1.

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| **INPUT** | **PROCESSING** | **OUTPUT** |
| * Area of lawn | * Multiply by 0.01 * Multiply by 15 | * Season cost |

2. The steps will be as follow

1. Get the total area of the lawn from the user .
2. Multiply the area of the lawn by 0.01 and then by 15 to get the season cost.
3. Display the season cost for the user to see. Get the total area of the lawn from the user.

3.

|  |  |  |
| --- | --- | --- |
| **INPUT** | **PROCESSING** | **OUTPUT** |
| * overtime hours * regular hours * regular hourly wage   . | * multiply overtime hours by regular hourly wage by 1.5 to get overtime pay (overPay = overHours \* regWage \* 1.5) * subtract tax from gross pay to get net pay (netPay = grossPay - tax) * multiply regular hours by regular hourly wage to get regular pay (regPay = regHours \* regWage) * multiply gross pay by 0.15 to get tax (tax = grossPay \* 0.15) * add regular pay and overtime pay to get gross pay (grossPay = regPay + overPay) | * net pay |

4.

1. Get regular hours, overtime hours, and regular hourly wage
2. Multiply regular hours by regular hourly wage to get regular pay.

(regPay = regHours \* regWage).

1. Multiply overtime hours by regular hourly wage by 1.5 to get overtime pay.

(overPay = overHours \* regWage \* 1.5

1. Add regular pay and overtime pay to get gross pay. (grossPay = regPay + overPay)
2. Multiply gross pay by 0.15 to get tax. (tax = grossPay \* 0.15))
3. Subtract tax from gross pay to get net pay. (netPay = grossPay - tax)
4. Display net pay for the user to see .

5.

1. input
2. Try, catch, and throw –**CONTROL STRUCTURE**.
3. computation - **CONTROL STRUCTURE**
4. selection - **CONTROL STRUCTURE**
5. sequence - **CONTROL STRUCTURE**
6. output
7. repetition- **CONTROL STRUCTURE**
8. storage

6.

|  |  |  |
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| **SQUENCE** | **SELECTION** | **REPETITION** |
| * Causes the computer to execute statements in the order they are written in a program, from top to bottom. | * Causes the computer to select one group of statements to execute and another group or groups to skip. | * Causes the computer to repeat a group of statements. |

Assignment