Chapter Two Review Questions

1) Law Mowing Defining Table

|  |  |  |
| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Area of Lawn | Multiply by 0.01 | Season Cost |
|  | Multiply by 15 |  |

2) Lawn Mowing Cost Calculation

1) Get the Total Area of the Lawn from the User

2) Multiply the Area of the Lawn by 0.01 and 15 to Get Season Cost

3) Display Season Cost for User

3) Net Pay Defining Table

|  |  |  |
| --- | --- | --- |
| **Input** | **Processing** | **Output** |
| Regular Hours | Calculate Reg Pay: Reg Hr x Wage | Net Pay |
| Overtime Hours | Calculate OT Pay: OT Hr x Wage x 1.5 |  |
| Hourly Wage | Add Reg and OT to get Gross Pay |  |
|  | Calculate Tax: Gross x 0.15 |  |
|  | Calculate Net Pay: Gross - Tax |  |

4) Net Pay Cost Calculation

1) Get Reg Hr, OT Hr, and Wage from User

2) Calculate Regular Pay: Reg Hr x Wage

3) Calculate Overtime Pay: OT Hr x Wage x 1.5

4) Calculate Gross Pay: Reg $ + OT $

5) Calculate Tax: Gross $ x 0.15

6) Calculate Net Pay: Gross $ - Tax $

7) Display Net Pay for User

5) Control Structure Examples

Try / Catch / Throw

Selection

Sequence

Repetition

6) Control Structures

Sequence – Execute Statements in Order

Selection – Execute / Skip Statements

Repetition – Repeat Group of Statements