5.1-Ladder If-else Control Statement

Program

```csharp
int salary = 80000;

if(salary < 18200){

Console.WriteLine("Tax Bracket:No Tax");

}

else if(salary < 37000){

Console.WriteLine("Tax Bracket:Low");

}

else if(salary >= 37000 && salary <= 90000){

Console.WriteLine("Tax Bracket:Medium");

}

else if(salary >= 90000 && salary <= 180000){

Console.WriteLine("Tax Bracket:High");

}

else{

Console.WriteLine("Tax Bracket:Very High");

}
```

Exercise

Write a C# program where given a salary value stored in the integer variable salary, the program

evaluates which tax bracket the salary falls into and prints the corresponding message.

If the salary is less than 18200, it prints "Tax Bracket: No Tax".

If the salary is between 18200 (inclusive) and 37000 (exclusive), it prints "Tax Bracket: Low".

If the salary is between 37000 (inclusive) and 90000 (inclusive), it prints "Tax Bracket: Medium".

If the salary is between 90000 (inclusive) and 180000 (inclusive), it prints "Tax Bracket: High".

If the salary is greater than 180000, it prints "Tax Bracket: Very High".

Hint

Declare an integer variable named salary and assign it a value representing an individual's salary.

Utilize conditional statements (if, else if, else) to evaluate the value of salary against predefined thresholds to determine the tax bracket.

Explanation

Determines the tax bracket based on the given salary value. It first checks if the salary is less than 18200, printing "Tax Bracket: No Tax" if true. If not, it proceeds to check if the salary is less than 37000, printing "Tax Bracket: Low" in that case. If neither of these conditions is met, it further evaluates the salary against predefined ranges. If the salary falls between 37000 and 90000, it prints "Tax Bracket: Medium"; if it falls between 90000 and 180000, it prints "Tax Bracket: High". Lastly, if the salary exceeds 180000, it prints "Tax Bracket: Very High". This code efficiently categorizes salaries into different tax brackets based on specific income thresholds.