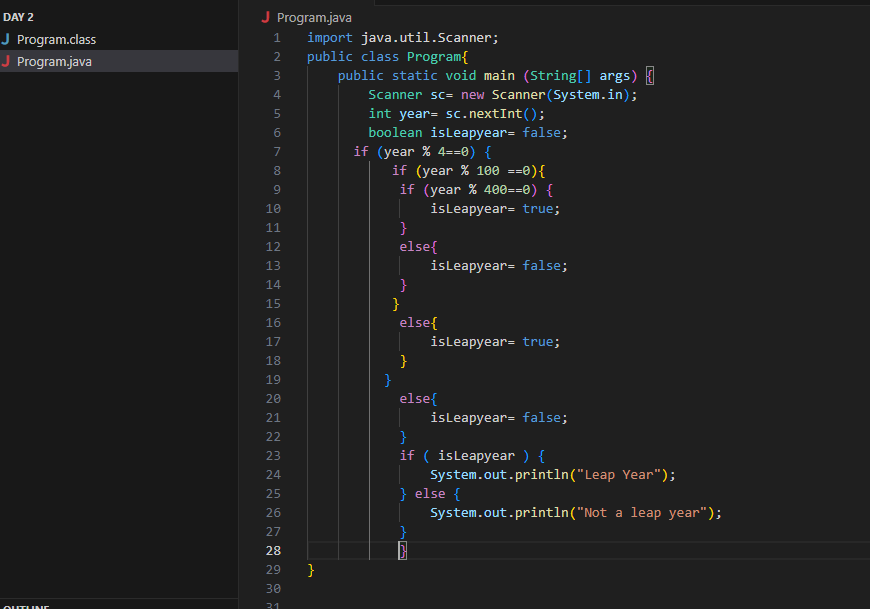
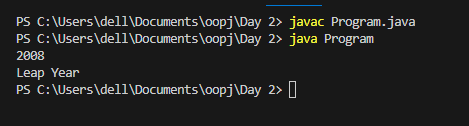
**Assignment 1**

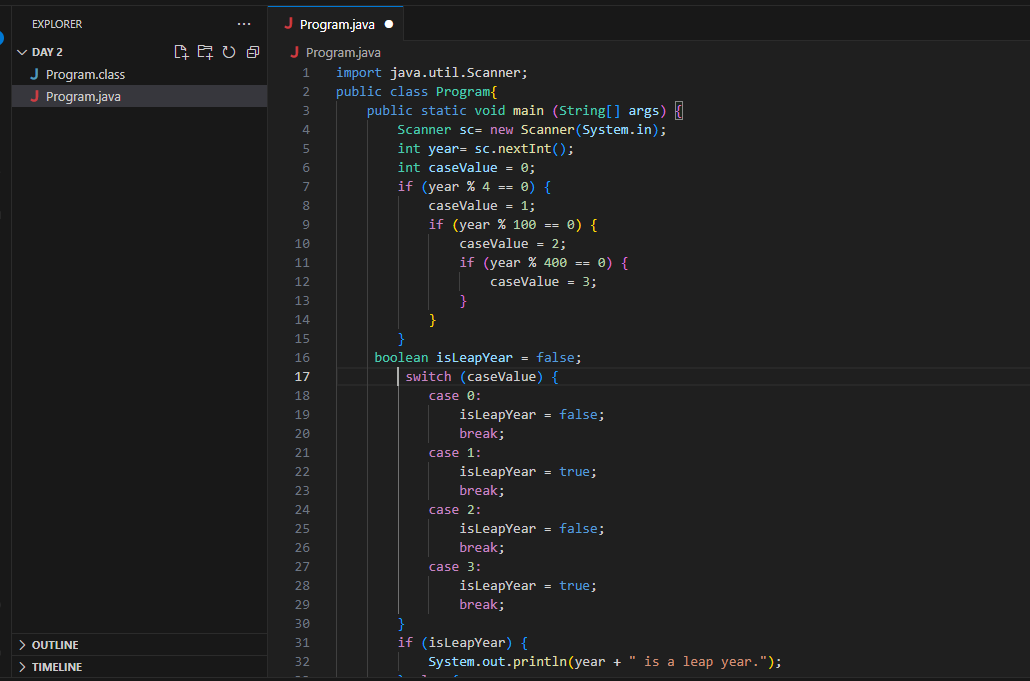
1. Write a program that checks if a given year is a leap year or not using both if-else and switch-case.



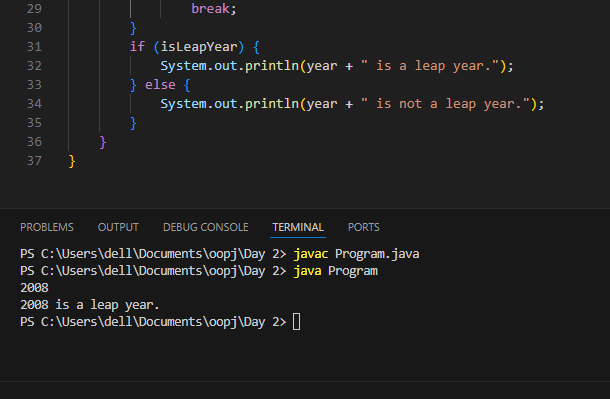
Output –



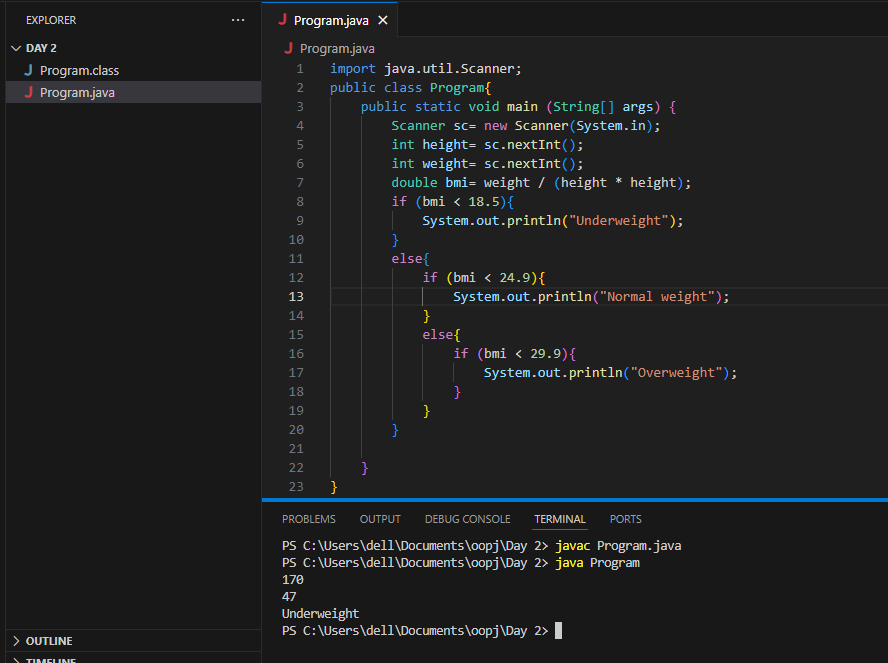
Using switch case-

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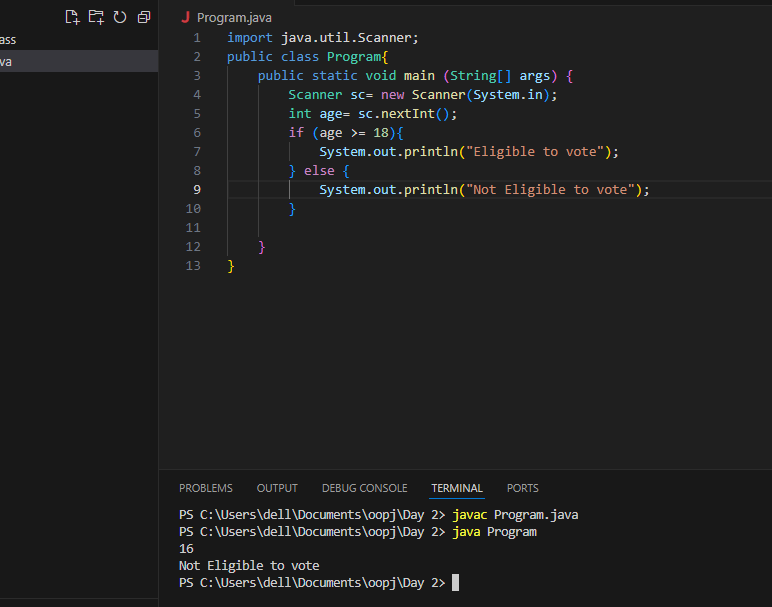
Output-



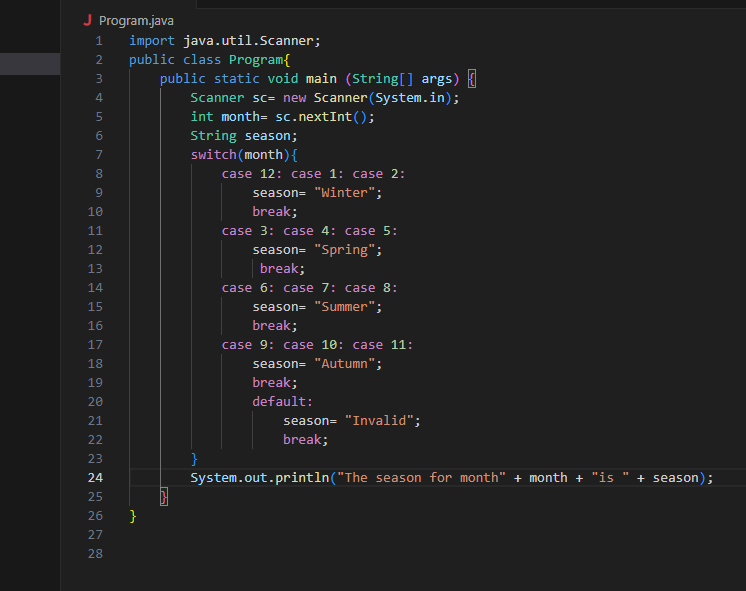
1. Implement a program that calculates the Body Mass Index (BMI) based on height and weight input using if-else to classify the BMI int categories (underweight, normal weight, overweight,etc).



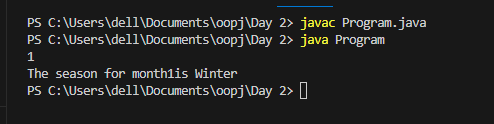
1. Write a program that checks if a person is eligible to vote based on their age.



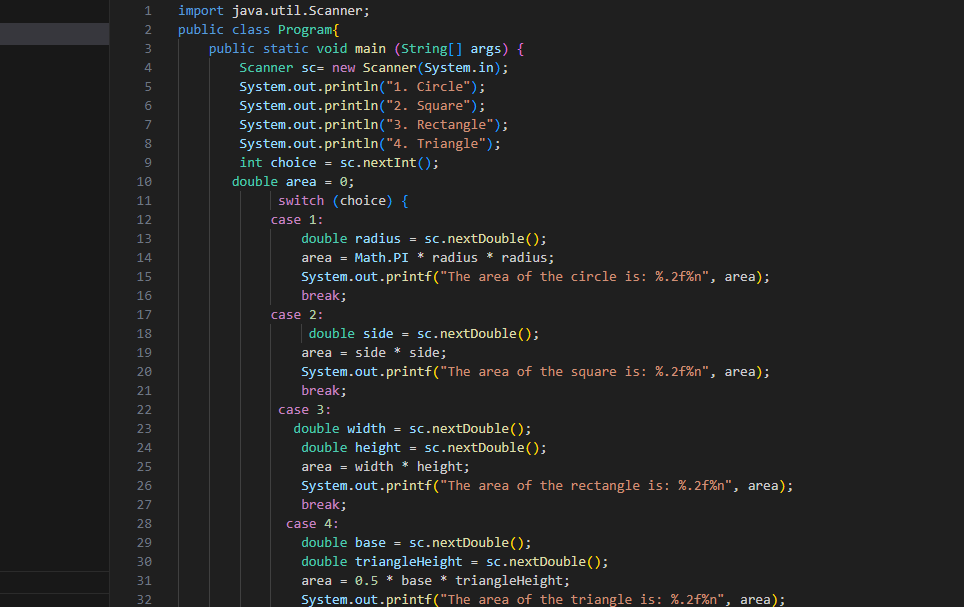
1. Write a program that takes a month (1-12) and prints the corresponding season (Winter, Spring, Summer, Autumn) using a switch case



Output-



1. Write a program that allows the user to select a shape (Circle, Square, Rectangle, Triangle) and then calculates the area based on user-provided dimensions using a switch case.



Output-

