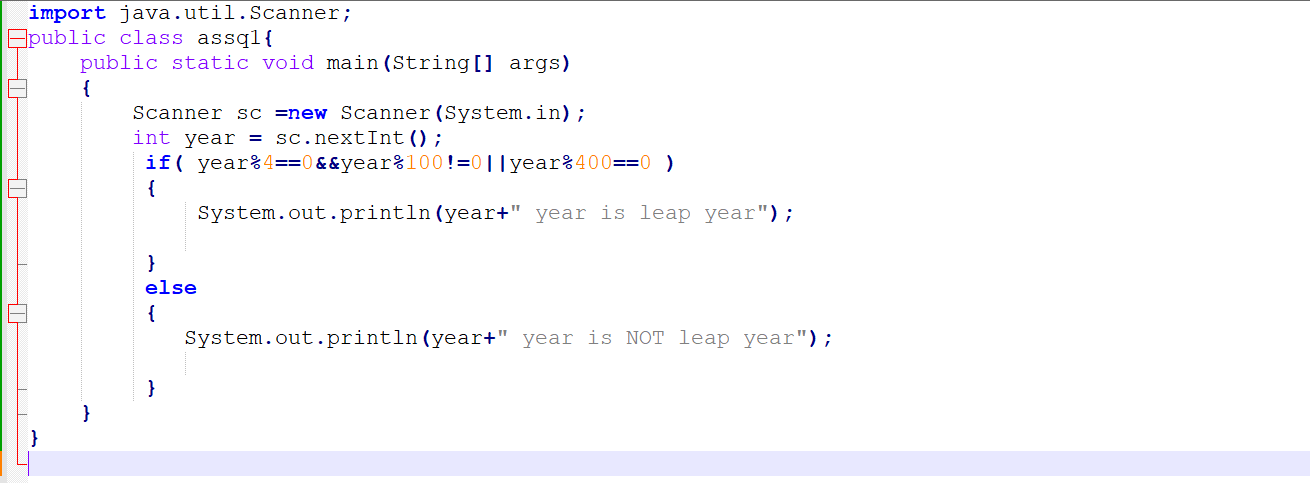
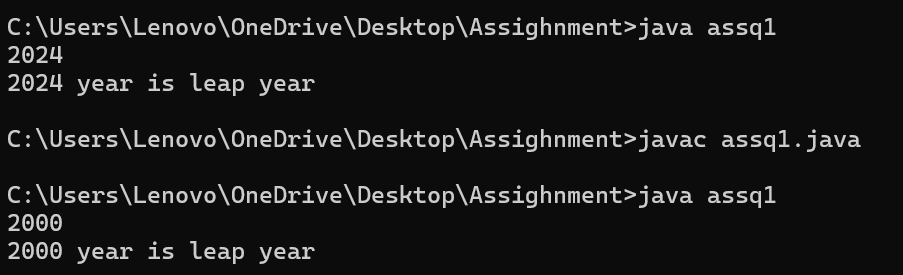
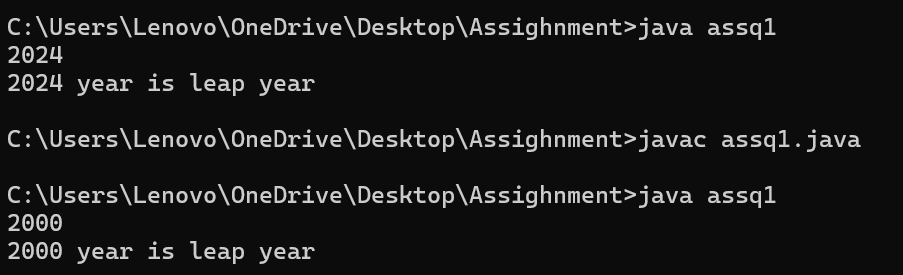
**NAME:-Nilesh Fate\_JH**

**ASSIGNMENT-02**

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



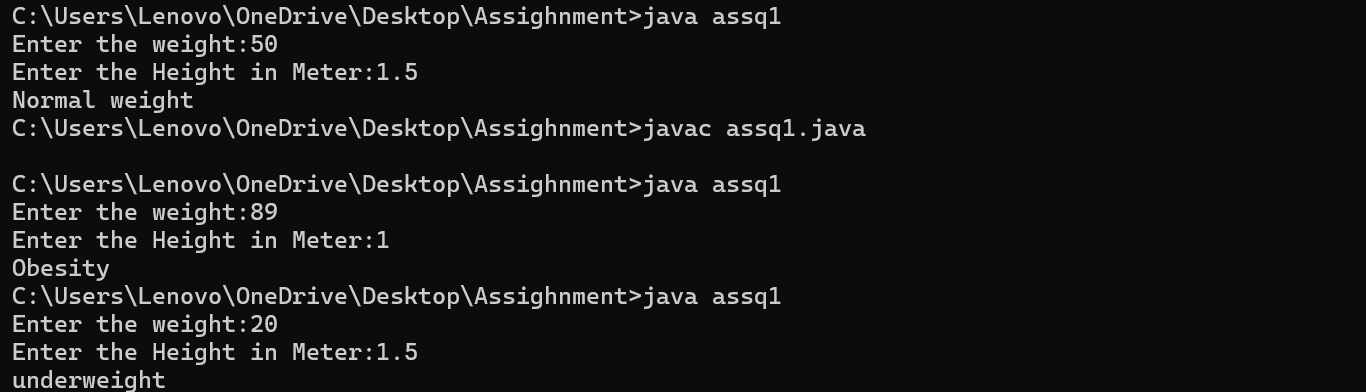
For switch:-



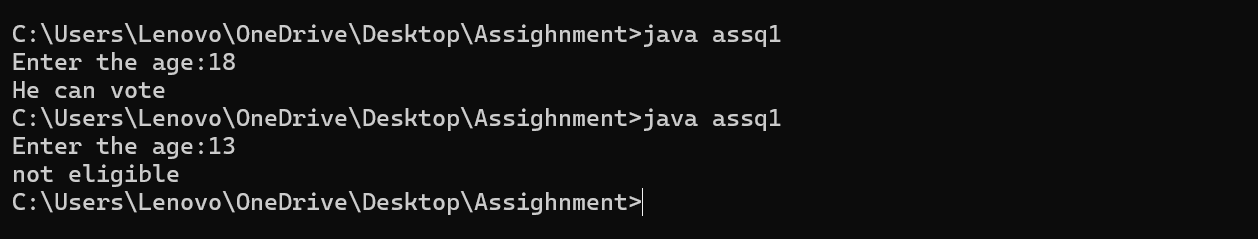
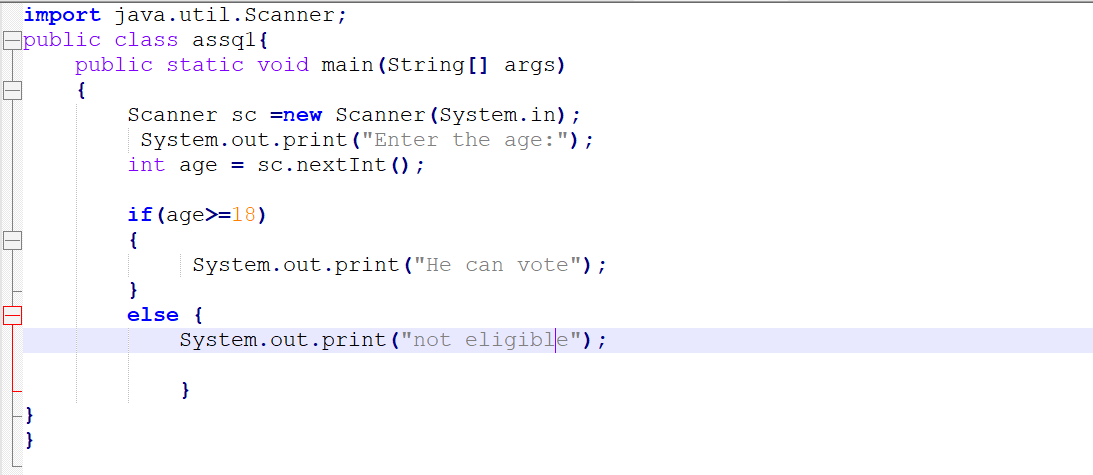
**2)**Implement a program that calculates the Body Mass Index (BMI) based on height and weight input using if-else to classify the BMI int categories (underweight, normal weight, overweight,etc).

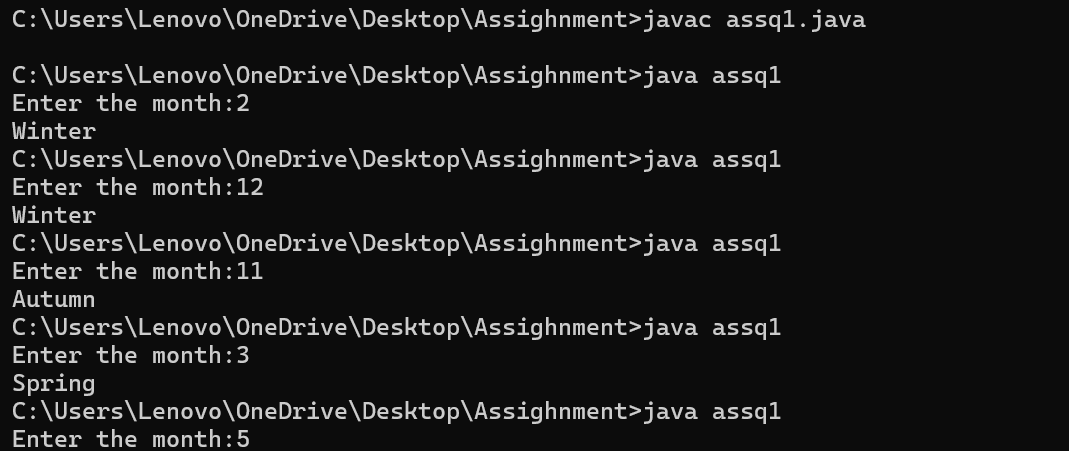
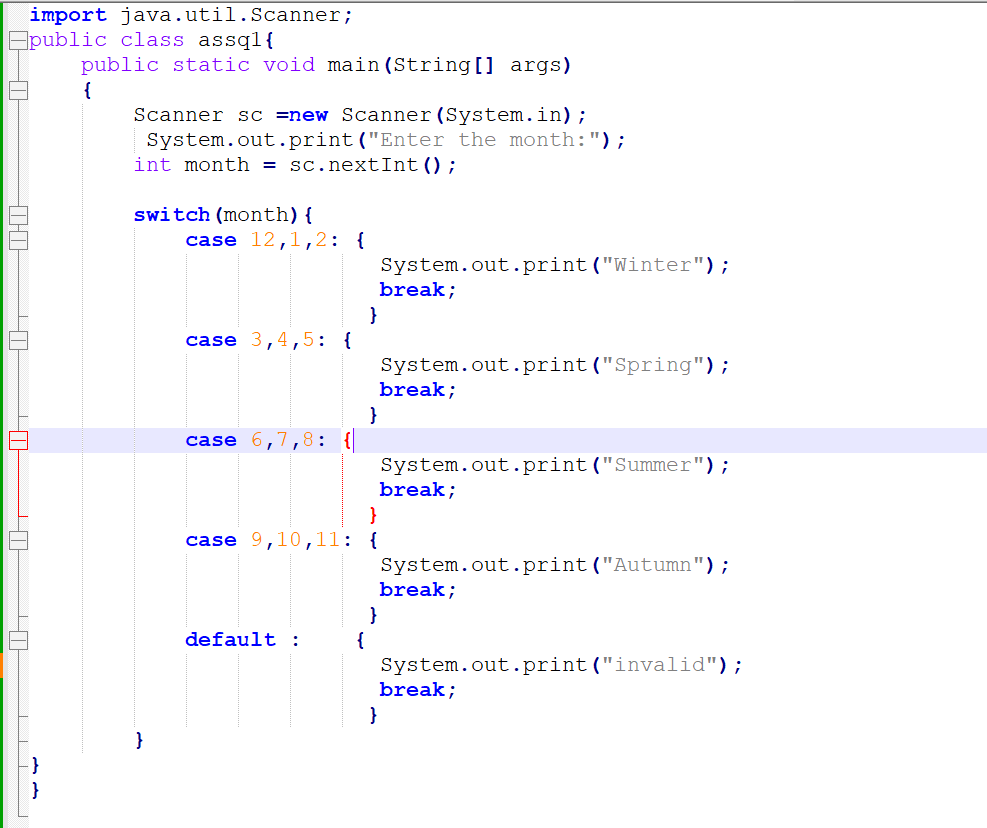


OUTPUT:-



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



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

**5)**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.