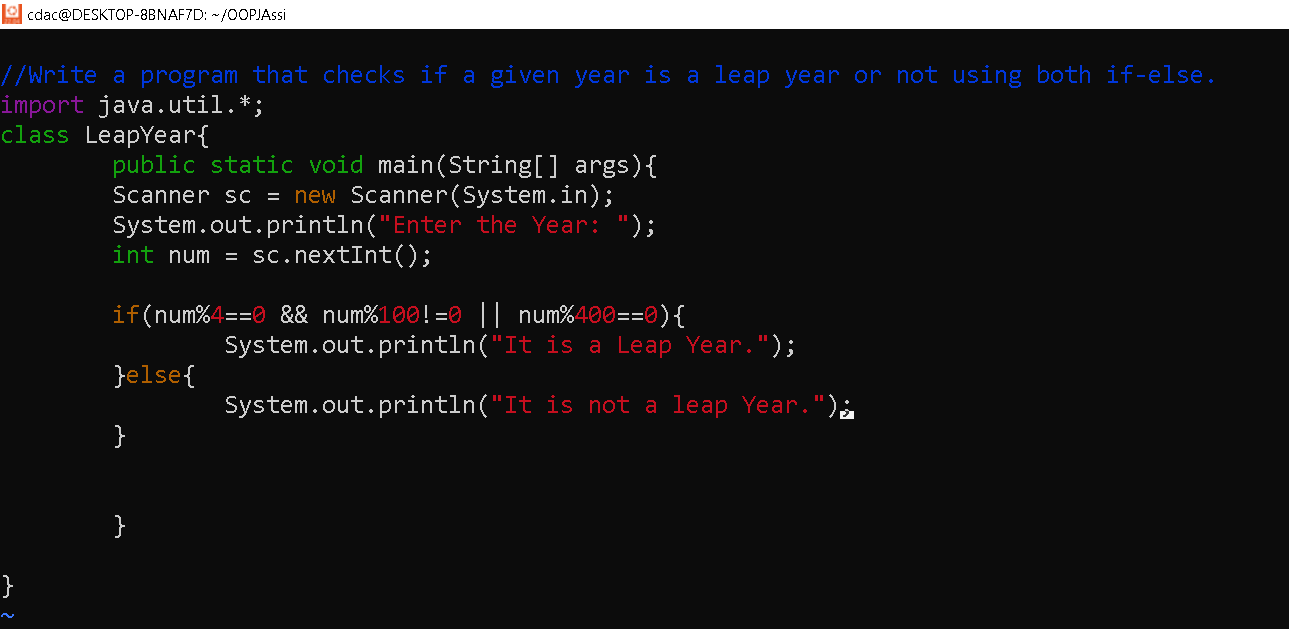
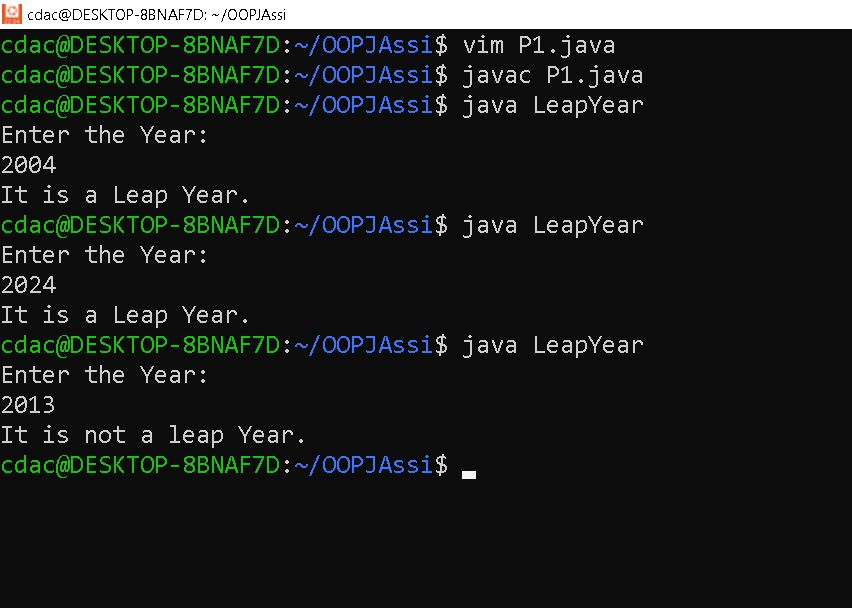
**Assignment No- 2**

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

**With If-else.**

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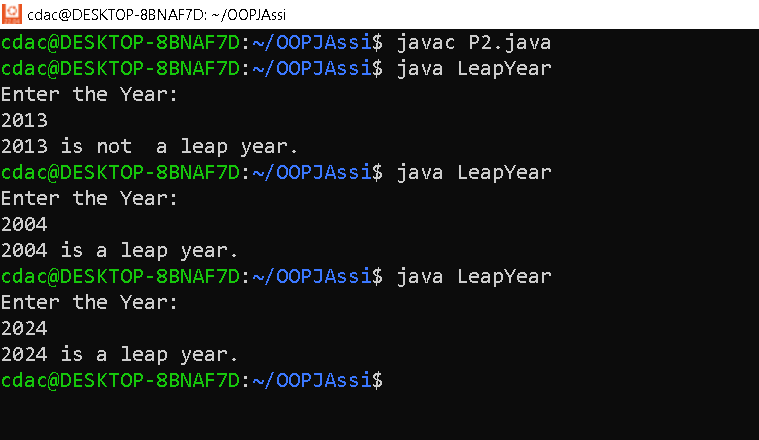
**Output:**

****

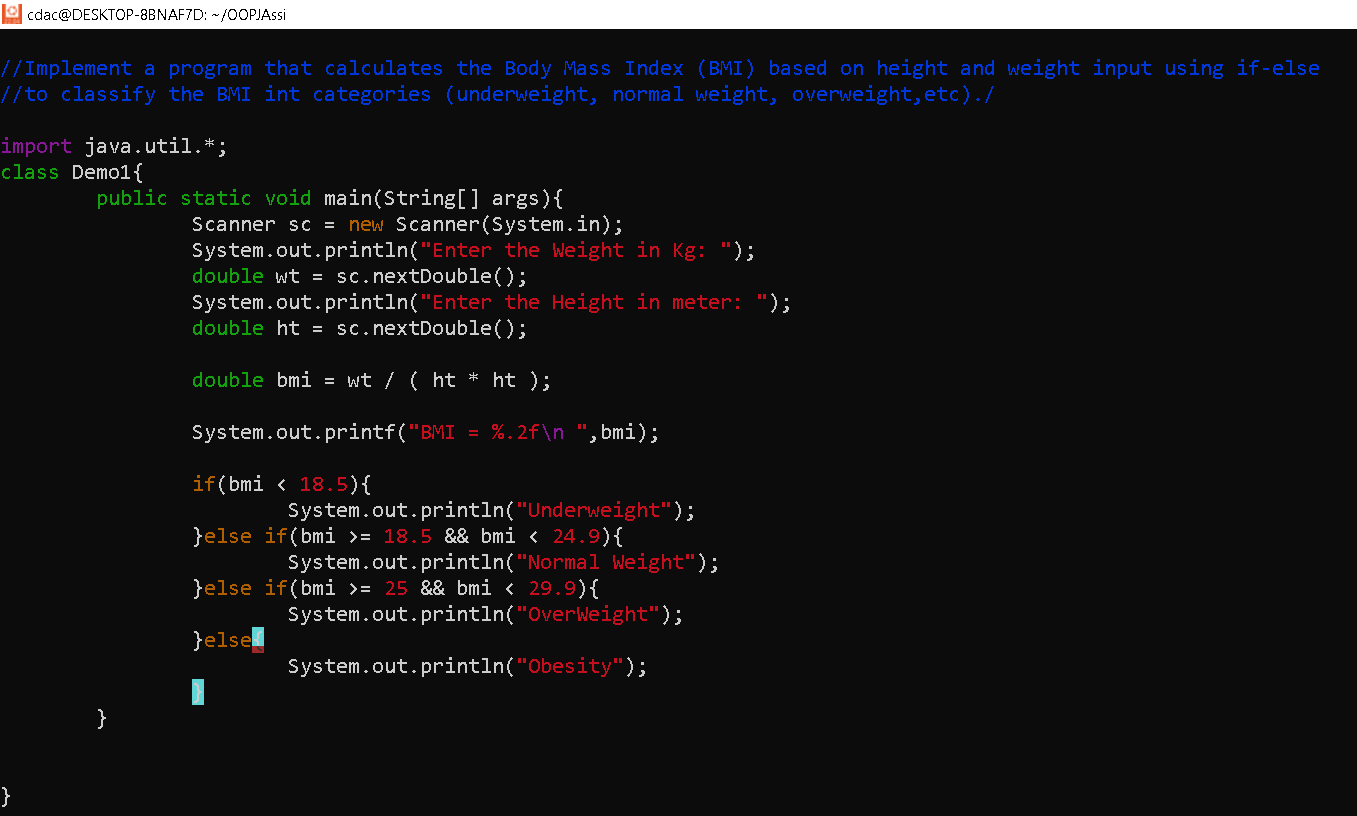
**With Switch case.**

****

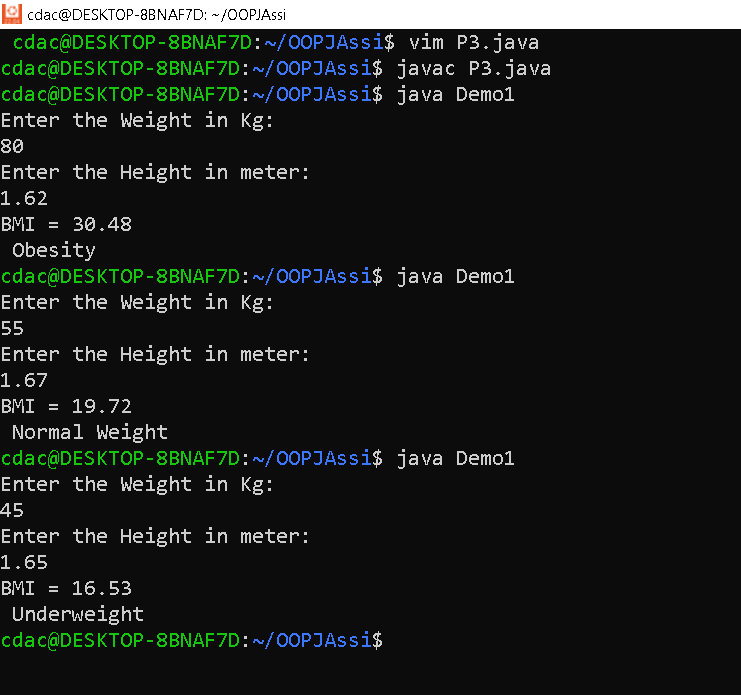
**Output:**

****

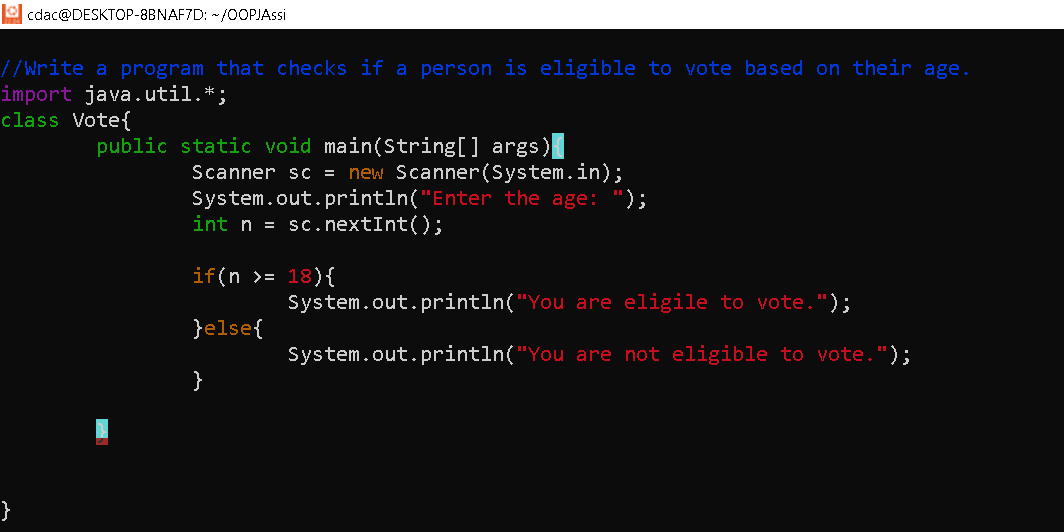
**2)Implement a program that calculates the Body Mass Index (BMI) based on height and weight input using if-else to classify the BMI int categories (underweight, normal weight, overweight,etc).**

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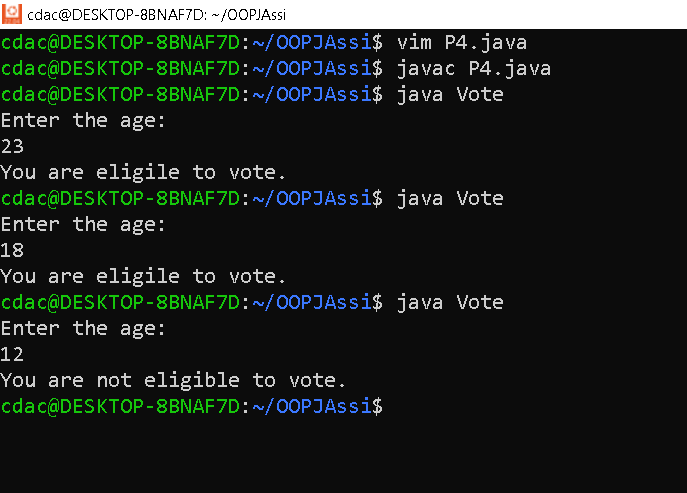
**Output:**

****

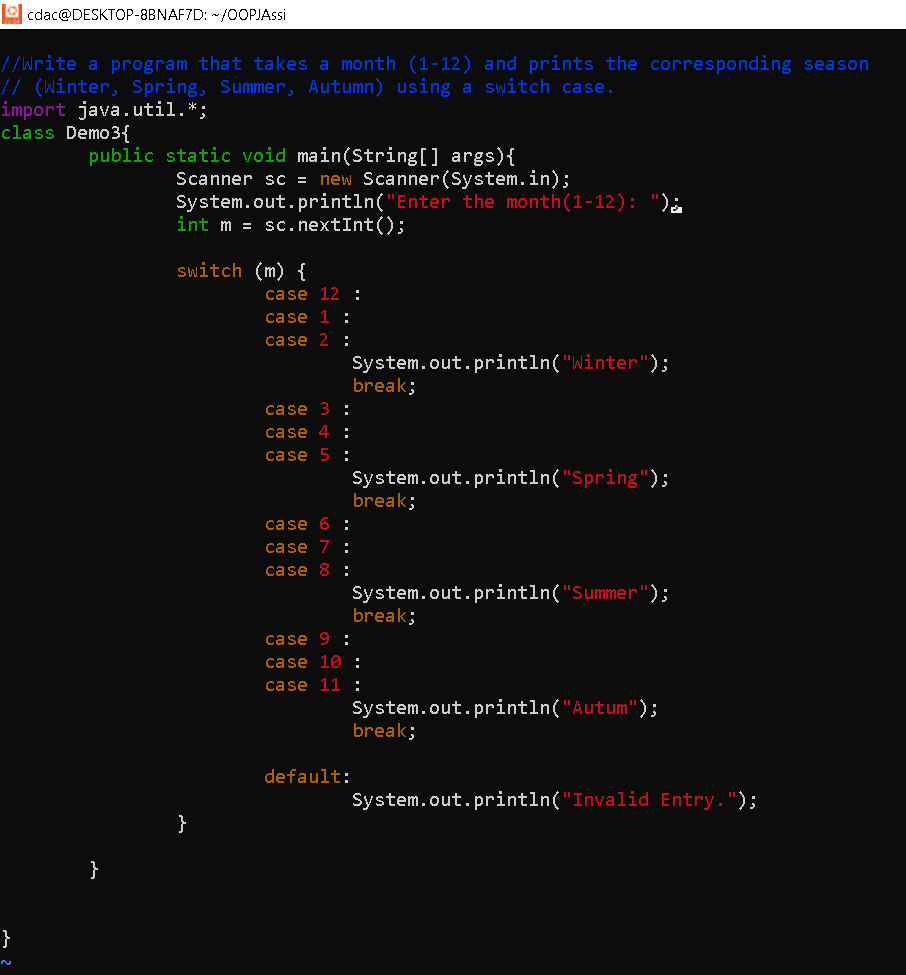
**3)Write a program that checks if a person is eligible to vote based on their age.**

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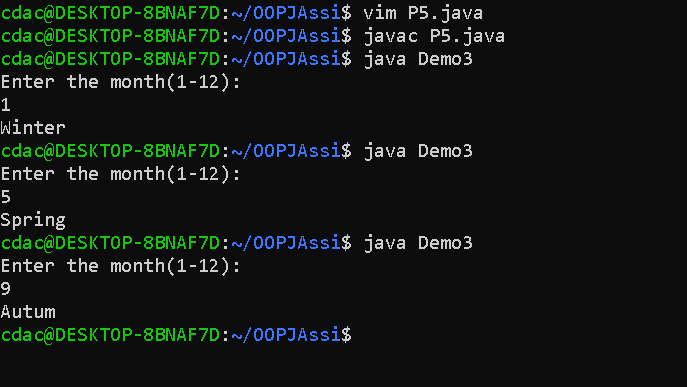
**Output:**

****

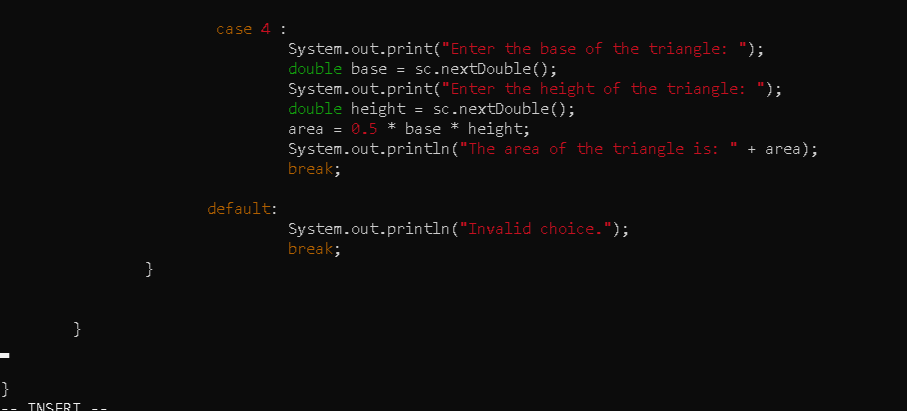
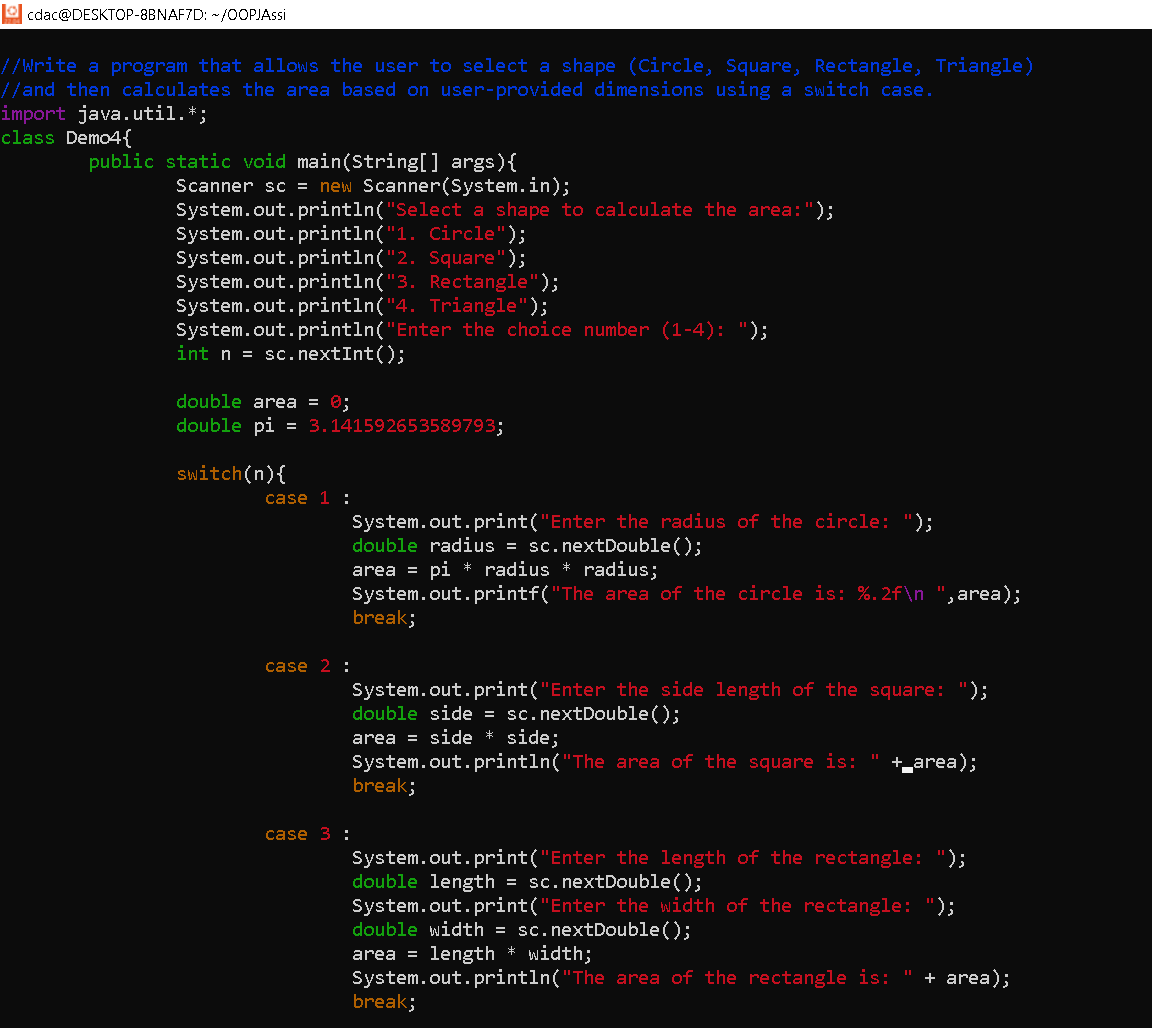
**4)Write a program that takes a month (1-12) and prints the corresponding season (Winter, Spring, Summer, Autumn) using a switch case**

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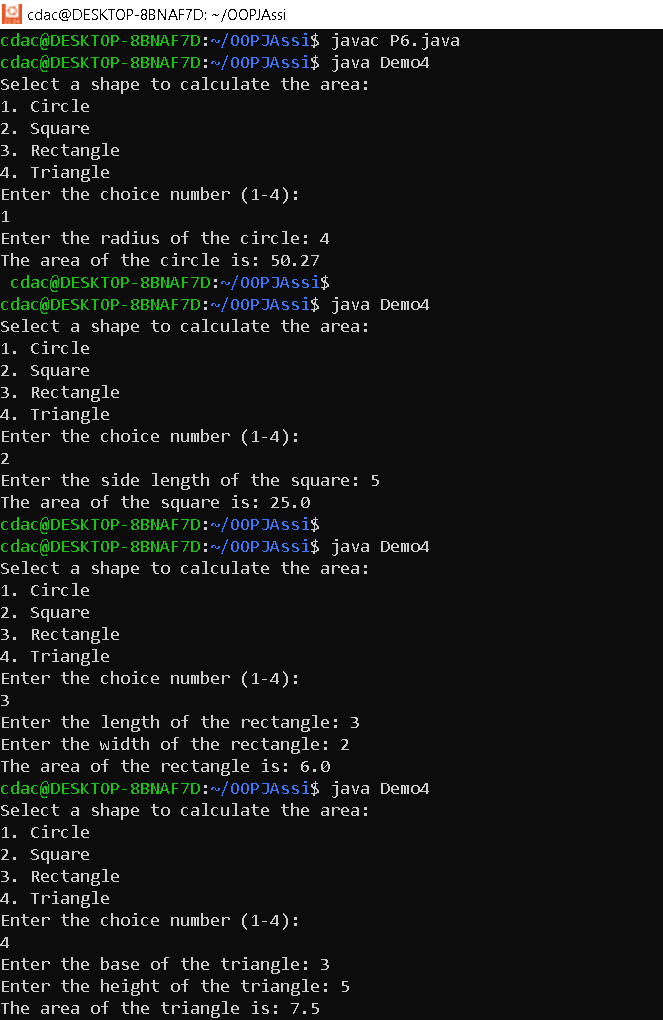
**Output:**

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**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.**

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**Output:**

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