

DAY 2 PRACTICE QUESTIONS

1. Write a Java program to check if a number entered by the user is odd or even.

****Test Cases:****

Input	Output
4	4 is even.
7	7 is odd.
0	0 is even.
-3	-3 is odd.

2. Write a Java program that takes a student's marks as input and prints the grade (A, B, C, Fail) using if-else-if statements.

****Test Cases:****

Input	Output
90	Grade: A
75	Grade: B
55	Grade: C
40	Grade: Fail

3. Write a Java program to display the name of a day of the week based on a number using switch-case.

****Test Cases:****

Input	Output
1	Sunday
4	Wednesday
7	Saturday
9	Invalid input. Please enter a number between 1 and 7.

4. Write a Java program to check if a person is eligible to vote. A person is eligible to vote if their age is 18 or above.

****Test Cases:****

Input	Output
20	You are eligible to vote.
17	You are not eligible to vote.
18	You are eligible to vote.
15	You are not eligible to vote.

5. Write a Java program to check if a student has passed or failed based on their mark using the ternary operator. Assume the passing mark is 50.

****Test Cases:****

Input	Output
65	Pass
45	Fail
50	Pass
30	Fail