



Conditional Statements Practice

1. **Eligibility Check:**
 - Write a program that takes the age of a person as input and prints whether they are eligible to vote (18 years or older).
2. **Number Classification:**
 - Take a number as input and print whether it is positive, negative, or zero.
3. **Grade Evaluation:**
 - Write a program that asks for a student's score (out of 100) and prints their grade based on the following criteria:
 - 90 and above: "A"
 - 80-89: "B"
 - 70-79: "C"
 - 60-69: "D"
 - Below 60: "F"
4. **Leap Year Checker:**
 - Write a program to check if a given year is a leap year. (Hint: A year is a leap year if it is divisible by 4 but not by 100, except when it's also divisible by 400.)
5. **Max of Three Numbers:**
 - Take three numbers as input and print the largest of the three.
6. **Even or Odd:**
 - Write a program that takes an integer input and checks if it is even or odd.
7. **Login System:**
 - Create a simple login system that asks for a username and password and checks if they match predefined values. Print "Login Successful" if correct, otherwise "Login Failed."
8. **Discount Calculation:**
 - Write a program that calculates the final price of an item after applying a discount based on the price:
 - Above \$100: 20% discount
 - \$50-\$100: 10% discount
 - Below \$50: No discount



Basic For Loop Practice Questions

1. Print Numbers from 1 to 10:

- Write a program using a for loop to print numbers from 1 to 10.
- **Expected Output:**

```
1
2
3
4
5
6
7
8
9
10
```

2. Print Each Character in a String:

- Ask the user to enter a word and use a for loop to print each character in the word.
- **Example Input:** Hello
- **Expected Output:**

```
H
e
l
l
o
```

3. Count Up and Down:

- Use a for loop to print numbers from 1 to 5 and then back down to 1.
- **Expected Output:**

```
1
2
3
4
5
4
3
2
1
```

4. Print Elements of a List:

- Define a list of fruits (["apple", "banana", "cherry", "date"]) and use a for loop to print each fruit in the list.
- **Expected Output:**

```
apple
```



banana
cherry
date

5. Print Even Numbers Between 1 and 10:

- Use a for loop to print all even numbers between 1 and 10.
- **Expected Output:**

```
2
4
6
8
10
```

6. Simple Sum of a List:

- Write a program that calculates the sum of numbers in a list ([1, 2, 3, 4, 5]) using a for loop.
- **Expected Output:** 15

7. Count Down from 5 to 1:

- Use a for loop to print numbers in reverse from 5 to 1.
- **Expected Output:**

```
Copy code
5
4
3
2
1
```

8. Square Each Number in a List:

- Given a list of numbers [1, 2, 3, 4, 5], use a for loop to print the square of each number.
- **Expected Output:**

```
Copy code
1
4
9
16
25
```

9. Repeat a Word Multiple Times:

- Ask the user for a word and a number N. Use a for loop to print the word N times.
- **Example Input:** word = "Hi", N = 3
- **Expected Output:**

```
Hi
```



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Hi

Hi

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