**Placement Series, Day-1**

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Answers:

1. 455
2. The mangoes will ripen over time, said Ashok.
3. 441 (as the rest of the options 64, 343 & 1331 are perfect cubes)
4. 15
5. The code for the given problem is as follows:

#include <stdio.h>

*int* main()

{

*float* pH;

    // Input the pH value

    printf("Enter the pH value: ");

    scanf("%f", &pH);

    // Check if pH is within the valid range

    if (pH >= 0.0 && pH <= 14.0)

    {

        if (pH < 7.0)

        {

            printf("Acidic\n");

        }

        else if (pH > 7.0)

        {

            printf("Alkaline\n");

        }

        else

        {

            printf("Neutral\n");

        }

    }

    else

    {

        printf("Invalid pH value. Please enter a value between 0 and 14.\n");

    }

    return 0;

}