Level 2 Practice Programs

1. Create a program to print odd and even numbers between 1 to the number entered by the user.

**Hint =>**

1. Get an integer input from the user, assign to a variable number and check for Natural Number
2. Using a for loop, iterate from 1 to the number
3. In each iteration of the loop, print the number is odd or even number
4. Create a program to find the bonus of employees based on their years of service.

**Hint =>**

1. Zara decided to give a bonus of 5% to employees whose year of service is more than 5 years.
2. Take salary and year of service in the year as input.
3. Print the bonus amount.
4. Create a program to find the multiplication table of a number entered by the user from 6 to 9.

**Hint =>**

1. Take integer input and store it in the variable number
2. Using a for loop, find the multiplication table of number from 6 to 9 and print it in the format number \* i = \_\_\_
3. Write a program FizzBuzz, take a number as user input, and if it is a positive integer loop from 0 to the number and print the number, but for multiples of 3 print "Fizz" instead of the number, for multiples of 5 print "Buzz", and for multiples of both print "FizzBuzz".

**Hint =>**

1. Write the program and use ***for*** loop
2. Rewrite the program 5 FizzBuzz using while loop
3. Create a program to find the youngest friends among 3 Amar, Akbar, and Anthony based on their ages and the tallest among the friends based on their heights

**Hint =>**

1. Take user input for the age and height of the 3 friends and store it in a variable
2. Find the smallest of the 3 ages to find the youngest friend and display it
3. Find the largest of the 3 heights to find the tallest friend and display it
4. Create a program to find the factors of a number taken as user input.

**Hint =>**

1. Get input value for a variable named number.
2. Run a ***for*** loop from i = 1 to i < number. In each iteration of the loop, check if the number is perfectly divisible by i. If true, print the value of i.
3. Create a program to print the greatest factor of a number beside itself using a loop.

**Hint =>**

1. Get an integer input and assign it to the number variable. As well as define a greatestFactor variable and assign it to 1
2. Create a ***for*** loop that runs from last but one till 1 as in i = number - 1 to i = 1.
3. Inside the loop, check if the number is perfectly divisible by i then assign i to greatestFactor variable and break the loop.
4. Display the greatestFactor variable outside the loop
5. Create a program to find the power of a number.

**Hint =>**

1. Get integer input for two variables named number and power.
2. Create a result variable with an initial value of 1.
3. Run a for loop from i = 1 to i <= power.
4. In each iteration of the loop, multiply the result with the number and assign the value to the result.
5. Finally, print the result
6. Create a program to find all the multiple of a number taken as user input below 100.

**Hint =>**

1. Get input value for a variable named number.
2. Run a ***for*** loop backwards: from i = 100 to i = 1.
3. Inside the loop, check if i perfectly divides number.
4. If true, print the number and ***continue*** the loop.