Task - 1

1. Write a program that prompts the user to input the following details:

- Name: A simple string for the user's name.:

- Age: An integer for the user's age.

- Favorite Color: A string for the user's favorite color.

- City: A string for the city where the user lives.

then output a personalized message in the following format:

Sample Input

Enter your name: Alice
Enter your age: 30
Enter your favorite color: Blue
Enter your city: New York

Sample Output

Hello Alice! You are 30 years old, your favorite color is Blue, and you live in New York.

2. Write a program that takes minutes as input, and display the total number of hours a minutes .

   Sample Input

   Enter the number of minutes : 150

   Sample Output

   Total hours: 2 hours and 30 minutes

3. Create a program that takes a student's score as input and assigns a letter grade (A, B, C, D, or F) based on a grading scale.

   - 90 - 100 : A
   - 75 - 90 : B
   - 60 - 75 : C
   - 50 - 60 : D
   - 35 - 50 : E
   - less than 35 : fail

   Sample Input

   Enter the score : 90

   Sample Output

   A

4. Make a Calculator. Take 2 numbers (a & b) from the user and an operation as follows :

- + (Addition) a + b
- -(Subtraction) a – b
- * (Multiplication) a * b
- / (Division) a / b
- % (Modulo or remainder) a % b

Sample Input

Enter first number : 12
Enter second number : 8
Enter an operation: +

Sample Output

20

5. Given an integer n, return a string answer where:

- answer == "FizzBuzz" if n is divisible by 3 and 5.
- answer == "Fizz" if n is divisible by 3.
- answer == "Buzz" if n is divisible by 5.
- answer == i (as a string) if none of the above conditions are true.

  [Hint : String.valueOf(1) convert int 1 to "1" as string]

Sample Input

Enter a value of n: 3

Sample Output

Fizz

Sample Input

Enter a value of n: 7

Sample Output

7