CS101 Lab A

Submission guidelines:
1. Write each source code and answer after it with proper number in a single doc/word/text file (or if multiple files are there, make a single zip file of all source code files and answer files with proper number) and submit in the given form link: https://linkedin.com/in/MrRogueKnight . No other submission mode will be accepted.
2. Make sure the submission file should not exceed 1MB in size.
3. Name the submission file with your roll numbers in CAPs. eg if your roll number is 2445CS98 then file name should be 2445CS98.zip/ 2445CS98.doc etc.
4. Submission deadline is as decided by the lab instructor.
5. Any submission without following the proper guidelines would not be accepted for evaluation.

1	WAP to convert a distance in meter entered through keyboard into its equivalent kilometer and meter as per the following format.	Enter the distance: 2430 meter.	2430 meter = 2 Km and 430 meters.
2	WAP to find the sum of 1st and last of a six-digit number. Number must be a user input.	Enter the number: 234459	Sum of digits is: 11.
3	WAP to find the sum of all digits of a three-digit number. Number must be a user input.	Enter the number: 354	Sum of digits is: 12.

| 4. | WAP to reverse a three-digit number. Number must be a user input. | Enter the number: 376. | The new number is: 673. |

5.	WAP to add two times in hour, minute & second format entered through the keyboard in the format hh:mm:ss	Enter two times: 11:45:34 and 09:28:41 [Input must be taken in such a way so that sum should not exceed 24 hours]	Output time is 21:14:15

6	WAP to read a character from the user and test whether it is a vowel or consonant or not an alphabet.	Set 1: Enter an alphabet: B Set 2: Enter an alphabet: %	Set 1: The entered character B is a consonant Set 2: The entered character % is not an alphabet

7	WAP to input any two integers, and provide a menu to the user to select any of the options as add, subtract, multiply, divide and display the result accordingly	Enter 2 numbers: 9 100 Select the operation from the menu (A for Add, S for Subtract, M for Multiplication, D for Division) : A	The Sum is 109

8	WAP to determine the eligibility for admission based on the following criteria: Eligibility Criteria: Marks in Maths >=65 and Marks in Phy >=55 and Marks in Chem>=50 and Total in all three subjects >=190 or Total in Maths and Physics >=140	Input the marks obtained in Physics :65 Input the marks obtained in Chemistry :51 Input the marks obtained in Mathematics :72	The candidate is not eligible for admission.

9	WAP to find out factors of a number.	**Set 1** n=6 **Set 2** n=21	**Set 1** The factors are 1 2 3 6 **Set 2** The factors are 1 3 7 21

10	WAP to test whether a number is Armstrong Number or not. (A number is said to be Armstrong when the sum of cubes of its digit is equal with the original number. Ex-153)	**Set 1** n=153 **Set 2** n=121	**Set 1** The given number is Armstrong **Set 2** The given number is not Armstrong