ASSIGNMENT-1

1. Write a program which accept temperature in Fahrenheit and print it in centigrade
2. Write a program which accept principle, rate and time from user and print the simple interest.
3. Write a program which accepts a character and display its ASCII value.
4. Write a program which accepts amount as integer and display total number of Notes of Rs. 500, 100, 50, 20, 10, 5 and 1. For example, when user enter a number, 575, the results would be like this: 500: 1, 100: 0, 50: 1, 20: 1, 10: 0, 5: 1, 1: 0
5. Write a program which accepts days as integer and display total number of years, months and days in it. For example: If user input as 856 days the output should be 2 years 4 months 6 days.
6. Write a program that accepts seconds from the keyboard as integers. Your program should convert seconds into hours, minutes and seconds. Your output should like this: Enter seconds: 13400 Hours: 3 Minutes: 43 Seconds: 20
7. Write a program that prompts the user to enter a number in two variables and swap the contents of the variables.
8. Write a program that prompts the user to enter a number in two variables and swap the contents of the variables. (Do not declare extra variables.)
9. Write a program that prompts the user to input the radius of a circle and outputs the area and circumference of the circle. The formula is Area = pi x radius^2 and Circumference = 2 x pi x radius
10. Write a program that prompts the user to input the length and the width of a rectangle and outputs the area and circumference of the rectangle. The formula is Area = Length x Width Circumference = 2 x (Length + Width)
11. Suppose a, b, and c denote the lengths of the sides of a triangle. Then the area of the triangle can be calculated using the formula:

$$Area = \sqrt{s(s-a)(s-b)(s-c)} \qquad \text{where } s = \frac{a+b+c}{2}$$

Write a program that asks the user to input the length of sides of the triangle and print the area.

12. Write a program which prompts the user to input principle, rate and time and calculate compound interest. The formula is : CI = P(1+R/100)^T - P