

CTA ASSIGNMENTS 2020 -2021

CLASS 9

Assignment 7:

A bag showroom has announced the following discounts on the purchase of items, based on the total cost of the items purchased:

Total Cost	Discount (in Percentage)
Less than 2000	6%
Rs 2001/- to 5000/-	15%
Rs 5001/- to 10000/-	30%
Above Rs 10000/-	50%

Write a program to input the total cost and to compute and display the amount to be paid by the customer after availing the discount.

Assignment 8:

Write a menu driven program to accept a number and check whether the number is:

- 1) Buzz Number: A Buzz number is such a number which is divisible by 7 or last digit is 7.
- 2) Even Number: An even number is such a number which is divisible by 2.

Use switch case to do the above.

Assignment 9:

The volume of a sphere is calculated by using formula:

$$v = (4/3) * (22/7) * r^3$$

Write a program to calculate the radius of a sphere by taking its volume as an input.

Hint: radius = $\sqrt[3]{(\text{volume} * (3/4) * (7/22))}$

Instructions to be followed:

1. All assignments must be hand-written. None of the assignment will be typed in computer. Project file paper will be used to do the assignments.
2. Program and variable description table on rule side with black or blue pen only. White pages can be used for writing sample input and output. No other colour will be acceptable.
3. Each assignment will be scanned as a pdf file.
4. Following sequence will be maintained in a scanned pdf file for each assignment:
 - a) Question
 - b) Program
 - c) Sample Input and output
 - d) Variable description Table

4. PDF File Name will be as follows:

<Registration No><-><Name><->Assignment<no.> <-><(class)>

Example: 2222-Samadrita Basu-Assignment7-(9A)

5. Subject of the mail will be as follows:

<Registration No><space><Name><space><Assignment>7,8,9

Example: 2222 Samadrita Basu Assignment 7,8,9

6. Please send only one mail with three attachments for three assignments.

7. Submission date for Assignment 7,8,9 will be on or before 15/11/2020
