

Lab 02 – Simple Programs

1. Write a program to compute simple and compound interest.

[Hint: $SI = PNR/100$, $CI = P(1+R/100)^N - P$]

2. Input radius to find the volume and surface area of a sphere.

[Hint: $\text{volume} = (4\pi r^3)/3$, $\text{Area} = 4\pi r^2$]

3. Convert the given temperature in Fahrenheit to Centigrade.

[Hint: $C = 5/9(F - 32)$]

4. Find the sum, difference, product and quotient of two numbers.
5. Convert the time in seconds to hours, minutes and seconds.
6. Determine how much money (INR) is in a piggy bank that contains denominations of 20, 10 and 5 rupee along with 50 paisa coins.