



भारतीय सूचना प्रौद्योगिकी संस्थान गुवाहाटी
Indian Institute of Information Technology Guwahati
COMPUTER PROGRAMMING LAB (CS110)
ASSIGNMENTS-02

[Note: Do not use the if () statements or any loop construct.]

1. Write a program in C to calculate simple interest.
2. Given the initial velocity (u), acceleration (a), and the time (t), write a program in C to compute the final velocity of an object.
3. Write a program in C to convert temperature in $^{\circ}C$ to $^{\circ}F$.
4. Write a program in C to extract the individual digits of a given number (a positive integer) and add them. Assume the number has at most five digits. Do not use any loop construct.
5. Write a C program to swap two int variables using a third variable.
6. Write a program in C to swap two int variables without using a third variable.
7. Write a program in C to reverse a five-digit positive integer. For instance, if the number is 13257, the output needs to be 75231. Do not use any loop construct.