



COMSATS University Islamabad, Attock Campus

Department of Computer Science

Program: BAI

Assignment 1

Course: - Design and Analysis of Algorithms

Deadline: September 21, 2023.

Marks: 10

Prove Correctness of the following algorithms using loop invariants. Show steps of your proof.
[CLO-1]

1. Insertion sort
2. Selection sort

Requirements:

Your solution should be handwritten on A-4 paper in hard form. Sharing will lead to zero marks. There can be a maximum of two members in a group. Prepare a short presentation of your assignment. The presentation can be held in any class after the due date.