

Fundamentals of Programming

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LabTask 10

Output of Task1:

```
C:\C++ projects\Lab\Lab10\Ta  × + ▾ - □ ×
Enter Length of Vector :4
Enter Elements in the VVector:5
9
1
4
Vector :5 9 1 4
Enter the index from where the element is to be replaced with 5.
2
5 9 5 4
-----
```

Output of Task 2:

```
C:\C++ projects\Lab\Lab10\LT  X + v
Enter the number of students :5
Enter the name and grade of the student :a
90
Enter the name and grade of the student :b
78
Enter the name and grade of the student :c
84
Enter the name and grade of the student :d
69
Enter the name and grade of the student :e
70

The mean of grades is :78.2
Median of the Grades is :78

Grades do not have a mode value.
Student a has grade 90
Student b has grade 78
Student c has grade 84
Student d has grade 69
Student e has grade 70
-----
```

Output of Task 3:

```
C:\C++ projects\Lab\Lab10\Ta  X + v - □
Area of Traingle      :6
Perimeter of Triangle :12
-----
Process exited after 0.285 seconds with return value 0
Press any key to continue . . .
```

Output of Task 4:

```
C:\C++ projects\Lab\Lab10\Ta  X + v
Initial salaries:
Employee 1: $2000
Employee 2: $2200
Employee 3: $1800
Employee 4: $2000
Employee 5: $3000
Employee 6: $1200
Employee 7: $2000
Employee 8: $2800
Employee 9: $1150
Employee 10: $1900

Increasing salaries based on hours worked:

Final salaries after increase:
Employee 1: $2050
Employee 2: $2300
Employee 3: $1950
Employee 4: $2050
Employee 5: $3150
Employee 6: $1200
Employee 7: $2050
Employee 8: $2900
Employee 9: $1150
Employee 10: $1950

-----
```