



Programming Fundamental

Solution - Lab 03



Task 04(CP): Write a program that takes charge (Q) and time (t) as input from the user and prints the current (I) on the console. $\text{Current(I)} = \text{Charge (Q)}/\text{Time(t)}$

```
#include <iostream>
using namespace std;
int main(){
    float time, charge, current;

    cout<< "Enter Charge in Wire: ";
    cin >> charge;
    cout<< "Enter Time: ";
    cin >> time;

    current = charge/time;
    cout<< "Current in the Wire: "<<current;

    return 0;
}
```

Task 05(CP): Write a program that takes the name, matric (out of 1100), intermediate(out of 550), and ecat (out of 400) marks of the student and print their aggregate score for UET. $\text{Ecat} = 50\%$ & $\text{intermediate} = 40\%$ & $\text{Matric} = 10\%$

aggregate.cpp - Notepad

```
File Edit Format View Help
# include <iostream>
using namespace std;
```

```
int main(){
```

```
    string studentName;
    float matricMarks, interMarks, ecatMarks;
    float matricPercent, interPercentage, ecatPercentage;
    float total;
```

```
    cout<< "Enter your name: ";
    cin>> studentName;
    cout<< "Enter your Matric Marks: ";
    cin>> matricMarks;
    cout<< "Enter your Intermediate Marks: ";
    cin>> interMarks;
    cout<< "Enter your ECAT Marks: ";
    cin>> ecatMarks;
```

```
    matricPercent = matricMarks/1100.0*100*0.10;
    interPercentage = interMarks/550.0*100*0.40;
    ecatPercentage= ecatMarks/400.0*100*0.50;
```

```
    total = matricPercent + interPercentage + ecatPercentage;
    cout<<"Aggregate: "<< total;
```

```
    return 0;
}
```

Variable declaration

Taking Input from User

Expression for calculating weightage

Calculating final aggregate and printing on screen



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Good Luck and Best Wishes !!

Happy Coding ahead :)