

42qqhd3w7 - C++ - OneCompiler

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Main.cpp + 42qqhd3w7 NEW CPP RUN

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     double notebookcost = 2.25;
6     double pencost = 0.75;
7     int numNotebooks = 15;
8     int numPens = 20;
9     double notebookCost = notebookcost * numNotebooks;
10    double penCost = pencost * numPens;
11    double totalCost = notebookCost + penCost;
12    cout << "The total cost of the supplies is: Rs. " << totalCost << endl;
13    return 0;
14 }
```

STDIN

Input for the program (Optional)

Output:

The total cost of the supplies is: Rs. 48.75

Assignment - 1

Q. A teacher wants to buy supplies for her classroom. She needs 15 notebooks and 20 pens. Each notebook costs Rs. 2.25, and each pen costs Rs. 0.75. Write a C++ program that calculates the total cost of the supplies.

Program:

```
#include <iostream>
using namespace std;
int main
{
    double notebookcost = 2.25;
    double pencost = 0.75;
    int numNotebooks = 15;
    int numPens = 20;
    double notebookCost = notebookcost * numNotebooks;
    double pencost = pencost * numPens;
    double totalcost = notebookcost + pencost;
    cout << "The total cost of the supplies is Rs."
    << totalcost << endl;
    return 0;
}
```

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Program Overview

This C++ program allows to calculate the total cost of classroom supplies for a teacher who needs to buy 15 notebooks and 20 pens, having cost 2.25 Rs & 0.75 Rs respectively.

Explanation

The program declares variables to store the number of notebooks & pens which needed, as well as the cost.

It calculates the total cost by multiplying the number of notebooks by the cost of each notebook, similarly for pens. Then added two results together.

Finally we get print by using console "cout"

Conclusion

This C++ program provides a simple solⁿ to calculate the total cost of Pens & Notebooks. Supplies are based on their cost. It can be modified to different quantities or costs.