```cpp
#include <iostream>
using namespace std;
int main()

{
//declarations
double Price = 5;
int i;
long double AmountDue;
double VatableAmount;
double Vat;

double VatRate = 0.12;
//AmountDue = i*Price;

cout<<"Welcome to Minty Lollipops!"<<endl;
cout<<"Sweet and minty Lollipops! How many would you want to buy?"<<endl;
cin>>i;

AmountDue = i*Price;
Vat = i*Price/1.12;
VatableAmount = AmountDue-Vat;
cout<<"You have bought "<< i <<" Minty Lollipops!"<<" Please pay, PhP"<< AmountDue <<endl;

int AmountofCash;
cout<<"Enter Amount of Cash PhP"<<endl;
cin>> AmountofCash;

double change;
change = AmountofCash - AmountDue;
cout<<"Amount Due(VATinclusive): PhP "<< AmountDue <<endl;
```

cout<<"VAT(12%): PhP "<< VatableAmount <<endl;

cout<<"VATable Amount: PhP "<< Vat <<endl;

cout<<"Amount of Cash: PhP "<< AmountofCash<<endl;

cout<<"Change: PhP "<< change<<endl;

cout<<"Thanks and Enjoy our lollipops!"<<endl;

return 0;


```cpp
8    int i;
9    long double AmountDue;
10   double VatableAmount;
11   double Vat;
12
13   double VatRate = 0.12;
14   //AmountDue = i*Price;
15
16   cout<<"Welcome to Minty Lollipops!"<<endl;
17   cout<<"Sweet and minty Lollipops! How many would you want to buy?"<<endl;
18   cin>>i;
19
20   AmountDue = i*Price;
21   Vat = i*Price/1.12;
22   VatableAmount = AmountDue-Vat;
23   cout<<"You have bought "<< i <<" Minty Lollipops!"<<" Please pay, PhP"<< AmountDue <<endl;
24
25   int AmountofCash;
26   cout<<"Enter Amount of Cash PhP"<<endl;
27   cin>> AmountofCash;
28
29   double change;
30   change = AmountofCash - AmountDue;
31   cout<<"Amount Due(VATinclusive): PhP "<< AmountDue <<endl;
32   cout<<"VAT(12%): PhP "<< VatableAmount <<endl;
33   cout<<"VATable Amount: PhP "<< Vat <<endl;
34   cout<<"Amount of Cash: PhP "<< AmountofCash<<endl;
35   cout<<"Change: PhP "<< change<<endl;
36
37   cout<<"Thanks and Enjoy our lollipops!"<<endl;
38
39   return 0;
40   }
41
```

- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe
- Output Size: 1.83313083648682 MiB
- Compilation Time: 0.58s

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

CS126-8L_MIRABEL_AM1_EXERCISE3.cpp

C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe

```
Welcome to Minty Lollipops!
Sweet and minty Lollipops! How many would you want to buy?
8
You have bought 8 Minty Lollipops! Please pay, PhP40
Enter Amount of Cash PhP
100
Amount Due(VATinclusive): PhP 40
VAT(12%): PhP 4.28571
VATable Amount: PhP 35.7143
Amount of Cash: PhP 100
Change: PhP 60
Thanks and Enjoy our lollipops!

------------------------------
Process exited after 6.328 seconds with return value 0
Press any key to continue . . .
```

```
38
39    return 0;
40  }
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe
- Output Size: 1.83313083648682 MiB
- Compilation Time: 0.58s
```

Line: 32   Col: 47   Sel: 0   Lines: 41   Insert   Done parsing in 0 seconds

---

File   Edit   Search   View   Project   Execute   Tools   AStyle   Window   Help

(globals)

CS126-8L_MIRABEL_AM1_EXERCISE3.cpp

```
7    double Price = 5;
8    int i;
9    double AmountDue;
10
```

C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe

```
Welcome to Minty Lollipops!
Sweet and minty Lollipops! How many would you want to buy?
9
You have bought 9 Minty Lollipops! Please pay, PhP45
Enter Amount of Cash PhP
100
Amount Due(VATinclusive): PhP 45
VAT(12%): PhP 4.82143
VATable Amount: PhP 40.1786
Amount of Cash: PhP 100
Change: PhP 55
Thanks and Enjoy our lollipops!

------------------------------
Process exited after 3.734 seconds with return value 0
Press any key to continue . . . _
```

Compiler   Resources   Compile Log   Debug   Find Results   Close

Abort Compilation

Shorten compiler paths

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe
- Output Size: 1.83313083648682 MiB
- Compilation Time: 0.58s
```

Line: 32   Col: 47   Sel: 0   Lines: 41   Insert   Done parsing in 0 seconds

File Edit Search View Project Execute Tools AStyle Window Help

(globals)

Project Classes   CS126-8L_MIRABEL_AM1_EXERCISE3.cpp

7   double Price = 5;

```
C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe
Welcome to Minty Lollipops!
Sweet and minty Lollipops! How many would you want to buy?
7
You have bought 7 Minty Lollipops! Please pay, PhP35
Enter Amount of Cash PhP
100
Amount Due(VATinclusive): PhP 35
VAT(12%): PhP 3.75
VATable Amount: PhP 31.25
Amount of Cash: PhP 100
Change: PhP 65
Thanks and Enjoy our lollipops!

--------------------------------
Process exited after 2.965 seconds with return value 0
Press any key to continue . . .
```

Compiler Resources Compile Log Debug Find Results Close

Abort Compilation

☐ Shorten compiler paths

```
- Errors: 0
- Warnings: 0
- Output Filename: C:\Users\krish\Desktop\CS126-8L_MIRABEL_AM1_EXERCISE3.exe
- Output Size: 1.83313083648682 MiB
- Compilation Time: 0.58s
```

Line: 32   Col: 47   Sel: 0   Lines: 41   Insert   Done parsing in 0 seconds