

```
//Answer on question #38413, Programming, C++
```

```
#include <iostream>
```

```
#include <cstdlib>
```

```
#include <stdio.h>
```

```
using namespace std;
```

```
/*
```

```
*
```

```
*/
```

```
int getDiscountPercent(double totalMarkedPrice);
```

```
int main(int argc, char** argv) {
```

```
    double totalMarkedPrice;
```

```
    cout << "Enter the value of Total Marked Price (Rs.) : ";
```

```
    cin >> totalMarkedPrice;
```

```
    int discount = getDiscountPercent(totalMarkedPrice);
```

```
    double grossTotal = totalMarkedPrice - totalMarkedPrice * discount / 100;
```

```
    double VAT = grossTotal * 0.125;
```

```
    double netAmountPayable = grossTotal + VAT;
```

```
    cout << endl;
```

```
    cout << "Total Marked Price: Rs. " << totalMarkedPrice << endl;
```

```
    cout << "Discount: " << discount << "%" << endl;
```

```
    cout << "Gross amount: Rs. " << grossTotal << endl;
```

```
    cout << "Value added tax: Rs. " << VAT << endl;
```

```
    cout << "Net amount payable: Rs. " << netAmountPayable << endl;
```

```
    getchar();
```

```
    getchar();
```

```
    return 0;
```

```
}
```

```
int getDiscountPercent(double totalMarkedPrice) {  
    if (totalMarkedPrice >= 1000 && totalMarkedPrice <= 2000)  
        return 20;  
    else if (totalMarkedPrice >= 2001 && totalMarkedPrice <= 5000) {  
        return 30;  
    } else if (totalMarkedPrice >= 5001) {  
        return 40;  
    } else return 0;  
}
```