

### Case study assignment

/\*1. take the total bill amount from user and then depending on sell give discount  
if total\_bill>10000 10% off, if bill is between 9999 to 5000 5% off on bill ,if bill in  
4999 to 2000 2% off  
below 2000 just 100INR off.

output: Total bill amount 11000  
discount given x% 10%  
Discount of INR 1100  
Amount to pay -----\*/

```
#include<iostream>
using namespace std;
int main(){
    float total_ba,discount,amount;
    cout<<"Enter bill amount: ";
    cin>>total_ba;
    if(total_ba>10000)
    {
        discount=total_ba*10/100;
        cout<<"\nDiscount given 10% off ="<<discount;
    }
    else if(total_ba<=9999&&total_ba>=5000)
    {
        discount=total_ba*5/100;
        cout<<"\nDiscount given 5% off ="<<discount;
    }
    else if(total_ba<=4999&&total_ba>=2000)
    {
        discount=total_ba*2/100;
        cout<<"\nDiscount given 2% off ="<<discount;
    }
    else
    {
        discount = total_ba-100;
        cout<<"\nDiscount given 100INR below 2000 ="<<discount;
    }
    amount = total_ba-discount;
    cout<<"\nAmount to pay ="<<amount;
}
```

Output - Enter bill amount: 11000

Discount given 10% off =1100  
Amount to pay =9900

```

/*2 accept a number from user only if number is perfectly div by 5 and 3
else till it is not given keep taking number.*/
#include<iostream>
using namespace std;
int main()
{
    int n,flag=0;
    do
    {
        cout<<"Enter number: ";
        cin>>n;
        if(n%5==0 && n%3==0)
        {

            flag =1;
        }
    }while(flag!=1);
    cout<<"\nThe number is perfectly divisible by 5 and 3 ="<<n;
}

```

Output - Enter number: 2

Enter number: 5

Enter number: 7

Enter number: 8

Enter number: 62

Enter number: 18

Enter number: 15

The number is perfectly divisible by 5 and 3 =15