

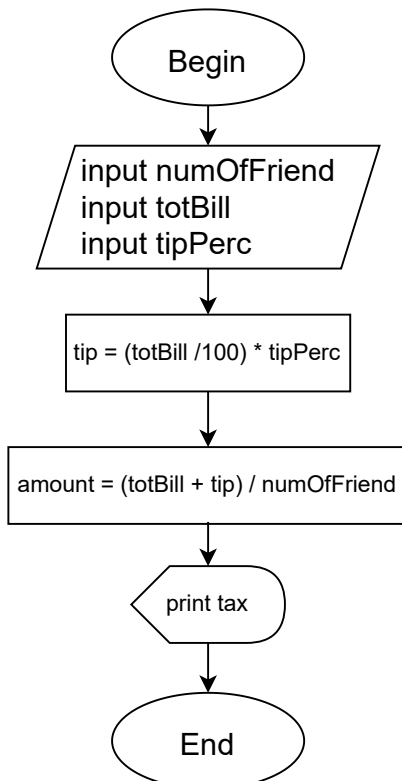
## 1) Requirement

- A couple of friends went to a restaurant willing to share the bill and they ask you to Write a program that calculate how much each of them will pay, given their number, the total bill and the tip percentage
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## 2) Algorithm

- **Step 1** : Begin
- **Step 2** : Input number of friend, total bill, tip percentage
- **Step 3** : calculate the tip by dividing total bill by 100 and multiply it by tip percentage
- **Step 4** : calculate the amount that each person will pay by adding tip to total bill and then divide by the number of friends .
- **Step 5** : print amount
- **Step 6** : End
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## 3) Flow chart



## 4) Pseudocode

- **BEGIN**
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- Variable : totBill, numOfFriend, tipPerc
- input totBill
- input numOfFriend
- input tipPerc

$\text{tip} = (\text{totBill} / 100) * \text{tipPerc}$

$\text{amount} = (\text{totBill} + \text{tip}) / \text{numOfFriend}$

- output amount