



Apex Programs

1. Write an apex program, to Calculate the Simple Interest.

Step:1

Create a Apex Class bellow Example

```
public class SimpleInterest {  
  
    //Class level variable declaration  
    public Integer PrincipleAmount;  
    public Integer rateofInterest;  
    public Integer interestAmount;  
    public Integer tenure;  
  
    //Single line same variable declaration  
    // Integer PrincipleAmount, tenure, rateofInterest, interestAmount;  
  
    //Create one Method  
    public void myMethod(){  
        PrincipleAmount = 10000;  
        rateofInterest = 2;  
        tenure = 6;  
  
        // Simple interest Formula  
        // SI = (PTR)/100  
        interestAmount = (PrincipleAmount * tenure * rateofInterest)/100;  
        system.debug('Interest Amount is :::::' + interestAmount);  
    }  
}
```

Step: 2

Open Anonymous Window

Write like bellow code

```
Enter Apex Code  
1 SimpleInterest d = new SimpleInterest();  
2 d.myMethod();
```



Step :3 Click on Execute

Out put : as bellow like that

Execution Log		
Timestamp	Event	Details
17:32:58:011	USER_DEBUG	[21] DEBUG Interest Amount is :::::1200

Apex class to Vf page

Step 1:

Remove unnecessary data;

And add get and set methods to above apex class;

```
public class SimpleInterest {

    //Class level variable declaration and add get set methods;
    public Integer PrincipleAmount { get; set; }
    public Integer rateofInterest { get; set; }
    public Integer interestAmount { get; set; }
    public Integer tenure { get; set; }

    //Single line same variable declaration
    // Integer PrincipleAmount, tenure, rateofInterest, interestAmount;

    //Create one Method
    public void myMethod(){

        // Simple interest Formula
        // SI = (PTR)/100
        interestAmount = (PrincipleAmount * tenure * rateofInterest)/100;

    }

}
```

Step 2:

Create Visual force page like bellow example

```

<apex:page controller="SimpleInterest">
    <apex:form >
        <apex:pageBlock >
            <apex:pageBlockSection title="Simple Interest Example">
                PrincipleAmount: <apex:inputText value="{!PrincipleAmount}"/> <br/><br/>
                RateofInterest: <apex:inputText value="{!RateofInterest}"/><br/><br/>
                Tenure: <apex:inputText value="{!Tenure}"/><br/><br/>
                interestAmount:<apex:inputText value="{!interestAmount}"/><br/><br/>
                <apex:commandButton value="submit" action="{!myMethod}"/><br/><br/>
            </apex:pageBlockSection>
        </apex:pageBlock>
    </apex:form>
</apex:page>

```

Output

Simple Interest Example	
PrincipleAmount:	
RateofInterest:	
Tenure:	
interestAmount:	
submit	

2. Write an apex program, to Calculate the Bill Amount based on the Quantity and Unit Price.

```

public class BillAmount {
    public Integer quantity { get; set; }
    public Integer unitPrice { get; set; }
    public Integer billAmount { get; set; }

    public void myMethod(){
        quantity = 30;
        unitPrice = 100;
        billAmount = quantity * unitPrice;
        system.debug('Bill Amount is ::::'+billAmount);
    }
}

```



Anonymous Window open:

Enter Apex Code

```
1 BillAmount d = new BillAmount();
2 d.myMethod();
```

OutPut:

Execution Log		
Timestamp	Event	Details
18:16:45:004	USER_DEBUG	[10] DEBUG Bill Amount is :::3000

Remove unnecessary data above apex class

```
public class BillAmount {
    public Integer quantity { get; set; }
    public Integer unitPrice { get; set; }
    public Integer billAmount { get; set; }

    public void myMethod(){

        billAmount = quantity * unitPrice;

    }
}
```



Vf Code:

```
<apex:page controller="BillAmount">
  <apex:form >
    <apex:pageBlock >
      <apex:pageBlockSection title="Bill Amuont Deatiled Page">
        Quantity: <apex:inputText value="{!quantity}"/> <br/>
        UnitPrice: <apex:inputText value="{!unitPrice}"/><br/>
        BillAmount: <apex:inputText value="{!billAmount}"/><br/><br/>
        <apex:commandButton value="Submit" action="{!myMethod}"/>
      </apex:pageBlockSection>
    </apex:pageBlock>
  </apex:form>
</apex:page>
```

OutPut:

▼ Bill Amuont Deatiled Page	
Quantity:	
UnitPrice:	
BillAmount:	
Submit	

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