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Department → Computer Science & Engg.
Sem → III rd (3-A)
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Lab-Test 1
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Divyanshu

```
import java.util.Scanner;

class Customer {
    private int Customer_no;
    private String Customer_name;
    private int Qty;
    private double Price;
    private double Totalprice;
    private double Discount;
    private double Netprice;

    Customer(int c_no)
    {
        Customer_no = c_no;
    }
```

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```
public void Input() {

    Scanner xx = new Scanner(System.in)
    System.out.print("Enter the name of the customer : ");
    Customer_name = xx.nextLine();
    System.out.print("Enter the Quantity : ");
    Qty = xx.nextInt();
    System.out.print("Enter the price : ");
    Price = xx.nextDouble();
    Caldiscount();
}
public void caldiscount()
{
    Totalprice = Price * Qty;
    ~~if(Total~~
    ~~if(Total~~
    if(Totalprice >= 50000)
    {
        Discount = Totalprice * 0.25;
    }
    else if(Totalprice >= 25000 && Totalprice <= 50000)
    {
        Discount = Totalprice * 0.10;
    }
    else
    {
```


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```
else
{
    for(i=top1; i>=0; i--)
    {
        printf("%d\n", stack1[i]);
    }
}

Void push2(int ele)
{
    if (top2==size-1)
    {
        printf("stack overflow\n");
    }
    else
    {
        top2++;
        stack2[top2] = ele;
    }
}
int pop2()
{
    if(top2==-1)
    {
        printf("stack underflow\n");
        return -1;
    }
```

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```
    else
    {
        int x = stack2[top2];
        top2--;
        return x;
    }
}
Void display2()
{
    int i
    if(top2 == -1)
    {
        printf("stack is empty\n");
    }
    else
    {
        for(i= top2 ; i>=0; i--)
        {
            printf("%d\n", stack2[top i]);
        }
    }
}

Void merge()
{
    int t1, t2, i;
```


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```
int s1[size], s2[size];
t1=0;
t2=-1;
for(i=top2 ; i>=0; i--)
{   t2++;
    s2[t2] = stack2[i];
}
int mergedList[size];

t1 = top1;
j=0;
while (t1>=0 && t2>=0)
{
    mergedList[j] = stack1[t1] + s2[t2];
    t1--;
    t2--;
    j++
}
while (t1>=0)
{
    mergedList[j] = stack1[t1];
    t1--;
    j++;
}
while (t2>=0)
{
    mergedList[j] = s2[t2];
    t2--;
    j++;
}
}
```

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