```
class Cake {
    int quantity;
    double cost;
    String cake_name;

Constructor c                    15
    - - - - - -
    3
static double calculateTotalCost
(Cake[] cakes){
    double total_cost = 0.0
    for(Cake cake : cakes){
        total_cost += cost*
quantity;3 double discount = 0.0;
    if (total_cost > 100.00)
```

```
{ total_cost -= (total_cost
    * 0.2); }

    else if (total_cost >= 50.00
&& total_cost <= 100.00)

{ total_cost -= (total_cost * 0.1); }

    }
    return total_cost; }

int main() {

    Scanner input = new Scanner(System.in);
    int n = input.nextInt();
    Cake[] cakes = new Cake[n];
    // Array of Objects

Get cost, quantity, cakename
as input
```

```
for(int i=0; i<n; i++){
    cakes[i] = new
Cake(---, -. -, - --);
    cost = input.nextDouble();
    quantity = input.nextDouble();
    cake_name = input.nextLine();
}
double result = Cake.
calculateTotalCost(----, --);
System.out.printf("%.2f", result);
```

Conditions :-

* First calculate total cost before applying discount.

* Next if total cost

total cost → > 100.00 — 20% discount

≥ 50 && <= 100.00 → 10% discount