# A test of "fundamentals of programming" – 20 November 2016

## Task 1 . Fish market

George will have a guest that evening and decided to treat them with **bonito, mackerel and scallops.** So goes to the fish market, to **buy a few pounds**. T O**console bring prices**in BGN of**mackerel and sprat.** Also **the amount** of **bonito, mackerel and scallops in kilograms**. **How much money you need** to **pay the Bill** , if **the market prices** are:

        **Bonito – 60% more expensive than the mackerel**

        **Horse mackerel – 80% more expensive than the sprat**

        **Mussels-$ 7.50. per kg**

### Login

From the console are read **5 numbers**:

        **The first row**– **the mackerel price per kilo**. **Real number in the interval** **[0.00... 40.00]**

        **The second line**– **price of sprat per kilogram**. **Real number in the interval** **[0.00... 30.00]**

        **Third line**– **kg bonito**. **Real number in the interval** **[0.00... 50.00]**

        **The fourth line**– **pounds of horse mackerel**. **Real number in the interval [0. 00. 70.00]**

        **The fifth line**– **pounds mussels** **. An integer in the range [0 ... 100]**

### Exit

The console should print **a floating-point number**:**how much money will be needed to Georgi to pay the Bill**. **Rounded to the second decimal place (1.2457-> 1.25).**

### Sample input and output

|  |  |  |  |
| --- | --- | --- | --- |
| **Login** | **Exit** | **Explanations** | |
| 6.90  4.20  1.5  2.5  1 | 42.96 | Price of palamuda = + 6.90 6.90 \* 0.60 = $11.04. per kg  Amount of bonito = 1.5 \* 11.04 = 16.56  Price of horse mackerel = 4.20 4.20 + \* 0.80 = 7.56 EUR per kg  Horse mackerel \* 2.5 = Amount = 7.56 18.90  Amount of clams = 1 \* 7.50 = 7.50  Account = 16.56 + 7.50 + 18.90 = 42.96 | |
| **Login** | **Exit** | **Login** | **Exit** |
| 5.55  3.57  4.3  3.6  7 | 113.82 | 7.79  5.35  9.3  0  0 | 115.92 |