

Lab: Complex Conditional Statements

Test your tasks in the Judge system: <https://judge.softuni.org/Contests/4398>

1. Marketplace

Write a program that:

- Reads **two strings** from the console: **product** (string) and **day** (string).
- Print the price, formatted to the **second digit**, based on the price table:

Product	Weekday	Weekend
Banana	2.50	2.70
Apple	1.30	1.60
Kiwi	2.20	3.00

Example

Input	Output
Kiwi Weekday	2.20

Input	Output
Banana Weekend	2.70

Input	Output
Apple Weekend	1.60

Guidelines

```
if (product == "Banana")
    if (dayOfWeek == "Weekday")
        Console.WriteLine("2.50");
    else
        Console.WriteLine("2.70");
else if (product == "Apple")
    if (dayOfWeek == "Weekday")
        Console.WriteLine("1.30");
    else
        Console.WriteLine("1.60");
// TODO: the same logic for "kiwi"
```

2. Largest Number Out of Three

Write a program that:

- Reads **3 integer numbers** from the console
- Prints **the largest number**

Example

Input	Output	Input	Output	Input	Output
1	3	-1	-1	6	10
2		-5		9	
3		-9		10	

Guidelines

```
if (first > second)
    if (first > third)
        Console.WriteLine(first);
    else
        Console.WriteLine(third);
else
    if (second > third)
        Console.WriteLine(second);
    else
        Console.WriteLine(third);
```

3. Bonus Score

Write a program that:

- Reads **points (integer number)** from the console
- Add **bonus points to given points** based on following:
 - If points are **between 0 and 3 (inclusive)**, adds 5 to the given points
 - If points are **between 4 and 6 (inclusive)**, adds 15 to the given points
 - If points are **between 7 and 9 (inclusive)**, adds 20 to the given points
- Print final points after adding the bonus points

Example

Input	Output	Comments
1	6	The given points are with value: 1 This value is between 0 and 3 , so we add 5 points to the given points: 1 + 5 = 6

4	19	<p>The given points are with value: 4</p> <p>This value is between 4 and 6, so we add 15 points to the given points:</p> <p>4 + 15 = 19</p>
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4. Food or Drink

Write a program that:

- Reads a **product (string)** from the console
- Based on type of the given product, print:
 - If product is one of following **"curry"**, **"noodles"**, **"sushi"**, **"spaghetti"** or **"bread"** you have to print **"food"**
 - If product is one of following **"tea"**, **"water"**, **"coffee"** or **"juice"** you have to print **"drink"**
 - If the product is different from listed products above, print **"unknown"**

Example

Input	Output
sushi	food

Input	Output
water	drink

Input	Output
car	unknown

5. Invalid Number

A given number is **valid** if it is in **the range [100...200]** or it is **equals to 0**.

Write a program that:

- Reads an integer from the console
- Prints **"invalid"** if the entered number is **NOT** valid

Example

Input	Output
75	invalid

Input	Output
150	(няма изход)

Input	Output
0	(няма изход)

6. Day of Week

Write a program to **print the day of week as words**, which:

- Reads an **integer number** (the number will be in range [1... 7]) from the console
- Based on the value of the number, print:
 - If the given number is equals to **1** print the first day of the week, which is **"Monday"**
 - If the given number is equals to **2** print the second day of the week, which is **"Tuesday"**
 - If the given number is equals to **3** print the third day of the week, which is **"Wednesday"**
 - If the given number is equals to **4** print the fourth day of the week, which is **"Thursday"**
 - If the given number is equals to **5** print the fifth day of the week, which is **"Friday"**
 - If the given number is equals to **6** print the sixth day of the week, which is **"Saturday"**
 - If the given number is equals to **7** print the seventh day of the week, which is **"Sunday"**

- If the given number is **out of the given range** print "Error"

Example

Input	Output
1	Monday

Input	Output
2	Tuesday

Input	Output
3	Wednesday

Input	Output
4	Thursday

Input	Output
5	Friday

Input	Output
6	Saturday

Input	Output
7	Sunday

Input	Output
10	Error

Input	Output
-8	Error

7. Vowel or Consonant

Write a program to **check a letter for vowel or consonant**:

- Reads a **character (letter, part of the English alphabet)** from the console
 - Based on the value of the character, print:
 - If the character is **vowel letter** print "**Vowel**"
- Hint:** Vowels letters are: **A, a, E, e, I, i, O, o, U, u**
- If the character is **consonant letter** print "**Consonant**"

Example

Input	Output
a	Vowel

Input	Output
A	Vowel

Input	Output
E	Vowel

Input	Output
e	Vowel

Input	Output
O	Vowel

Input	Output
d	Consonant

Input	Output
o	Vowel

Input	Output
U	Vowel

Input	Output
R	Consonant

8. Sorted Numbers

Write a program, which checks for **sorted 3 numbers**:

- Reads **3 integer numbers** from the console
- Based on the order of the numbers, print:
 - "**Ascending**" – if the numbers are in ascending order (from the smallest to the largest number)
 - "**Descending**" – if the numbers are in descending order (from the largest to the smallest number)

- **"Not sorted"** – in any other case

Note: Given numbers will not be equal.

Example

Input	Output
1	Ascending
2	
3	

Input	Output
10	Descending
9	
8	

Input	Output
3	Not sorted
1	
2	

9. Cinema

Write a program, that calculates **the price for all the tickets for a cinema movie**:

- Reads **the type of the movie (string)**, **the count of the rows (an integer number)** and **count of the seats per row (an integer number)** in the cinema
 - Type of the movie will be one of the following: **"Premiere"**, **"Normal"** and **"Discount"**
- Prints the **total price** for all seats formatted to the 2nd digit after the decimal point, based on the table below:

Type	Price
Premiere	12.00
Normal	7.50
Discount	5.00

Example

Input	Output	Comments
Normal 12 9	810.00	Type of the movie is Normal and the price for one seat is: 7.50 Total count of the seats in the cinema: 12 * 9 = 108 Total price for all seats: 108 * 7.50 = 810.00
Premiere 10 5	600.00	Type of the movie is Premiere and the price for one seat is: 12.00 Total count of the seats in the cinema: 10 * 5 = 50 Total price for all seats: 50 * 12.00 = 600.00
Discount 10 5	250.00	Type of the movie is Discount and the price for one seat is: 5.00 Total count of the seats in the cinema: 10 * 5 = 50 Total price for all seats: 50 * 5.00 = 250.00