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	2.20
Weekday	

Input	Output
Banana	2.70
Weekend	

Input	Output
Apple	1.60
Weekend	

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

Inp	out	Output
1		3
2		
3		

Input	Output
-1	-1
-5	
-9	

Input	Output
6	10
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
 - o 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 The given points are with value: 4 This value is **between 4 and 6**, so we add **15** points to the given points: 4 + **15** = 19

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)

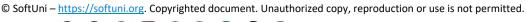
Input	Output
0	(няма изход)

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"
 - o 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 "Vowe1" 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
а	Vowel

Input	Output
Α	Vowel

Input	Output
Е	Vowel

Input	Output
е	Vowel

Input	Output
0	Vowel

Input	Output
d	Consonant

Input	Output
О	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)

















Note: Given numbers will not be equal.

Example

Output
Ascending

Output
Descending

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:

Туре	Price
Premiere	12.00
Normal	7.50
Discount	5.00

Example

Input	Output	Comments
Normal 12	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 Tetal price for all seats: 108 * 7.50 = 810.00
Premiere 10 5	600.00	Total price for all seats: 108 * 7.50 = 810.00 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: $50 * 5.00 = 250.00$











