# "Programming Basics" Exam

## 6. Favorite Movie

It's Friday night and you're wondering which movie to watch. You decide to write a program that will make the choice for you. **Until the command "STOP" is received**, you will receive **titles of your favorite movies**. **The best movie** for you will be the one with **the** **highest score**. The score is calculated as **the sum of the ASCII values of the characters in the movie title**. (There will be **no case** **of two movies with equal scores**).

* For each lowercase letter in the title, **its value should be reduced by twice the length of the movie title**.
* For each uppercase letter in the title, **its value should be reduced by the length of the movie title**.

You will receive a maximum of **7** **movie** **titles**.

### Input

Read lines from the console until you receive the command "**STOP**" or until the **limit** **of** **7 movies** is reached.

* **Movie title** – **a string**;

### Output

Print on the console:

* If you have reached the limit of 7 movie titles, you must print:

**"The limit is reached."**

Print the best movie for you:

**"The best movie for you is {movie title} with {characters sum} ASCII sum."**

### Sample Input and Output

|  |  |  |
| --- | --- | --- |
| **Input** | **Output** | **Comments** |
| Matrix  Breaking bad  Legend  STOP | The best movie for you is Breaking bad with 878 ASCII sum. | The first movie title is Matrix, its first letter is **M** and has a value of 77, but it is a uppercase letter => reduce its value by the length of the movie title => 77- 6 = 71. The second letter is **a** and has value of 97, it is a lowercase letter => reduce its value by twice the length of the movie title => 97 - 12 = 85.  Following this logic, we calculate all other letters and we get the sum of 563. When we received the “STOP” command, we print the movie title with the highest value which in this case is Breaking bad with a sum of 878. |
| Wrong turn  The maze  Area 51  Night Club  Ice age  Harry Potter  Wizards | The limit is reached.  The best movie for you is Harry Potter with 948 ASCII sum. |  |