Problem Statement: Print reverse of a string

Parameters

If we give a string, it should be reversed and should be printed.

A string is given. Then the length will be calculated using strlen or length function. Then it will be separated and entered into an array. An empty character should be declared to store the reverse of the given string. Declare length in one variable. If that variable is greater than zero then the last character of the string will be entered into empty variable then at last when if loop is stopped b which has the reverse of a string.

|  |  |
| --- | --- |
| **Expected Input** | **Expected Output** |
| abc  msit iiith  msit243  a@1$b%c&de  [ab](12) | cab  htiii tism  342tism  ed&c%b$1@a  )21(]ba[ |

Pseudo Code

Enter a string

Declare len as length of a string

Declare c to keep character by character of a string

Declare b as empty character

Take i = len

If i>=0 then calculate b=b+c[i] and repeat the step otherwise go to next step

Print b

**Trace Table**

|  |  |  |  |
| --- | --- | --- | --- |
| **Expected input** | **Expected output** | **Actual output** | **Test result** |
| abc  msit iiith  msit243  a@1$b%c&de  [ab](12) | abc  htiii tism  324tism  ed&c%b$1@a  )21(]ba[ | abc  htiii tism  324tism  ed&c%b$1@a  )21(]ba[ |  |