

**EX 12**

**PROGRAM TO REVERSE A SENTENCE USING RECURSION**

**DATE:**

**AIM:**

To reverse a sentence using recursion

**ALGORITHM:**

Step 1: Start

Step 2: Declare the function reverse

Step 3: Call the reverse function

Step 4: Get the sentence from the user and reverse it recursively

Step 5: stop the execution.

**PROGRAM:**

```
#include <stdio.h> void
reverseSentence(); int main() {
printf("Enter a sentence: ");
reverseSentence(); return 0;
}
void reverseSentence() {
char c;
scanf("%c", &c); if (c
!= '\n') {
reverseSentence(); printf("%c",
c);
}
}
```

**OUTPUT:**

Enter a sentence: margorp emosewa awesome

PROGRAM:

**RESULT**

Thus the C Program to reverse a sentence has been executed and verified