

Experiment 6-5

```
#include <stdio.h>
#include <math.h>
```

```
void REVERSE (char str[]) {
    int i, len;
    char temp;
```

```
    len = strlen(str);
```

```
    for (i=0; i<len/2; i++) {
```

```
        temp = str[i];
        str[i] = str[len-i-1];
        str[len-i-1] = temp;
```

```
    }
}
```

```
int main() {
    char str[100];
```

```
    printf("_____ String Reversal Program _____\n");
    printf("Enter a string:");
    if gets (str, size of (str), stdin);
    str[strlen(str)] = '\0';
```

Teacher's Signature _____

Remarks:

~~REVERSE~~

REVERSE (str);

printf (" /n Reversed String: ' /n", str);

return 0;

}

Remarks:

Teacher's Signature _____

main.c



Output



```
2 #include <string.h>
3
4 void REVERSE(char str[]) {
5     int i, len;
6     char temp;
7     len = strlen(str);
8     for (i = 0; i < len / 2; i++) {
9         temp = str[i];
10        str[i] = str[len - i - 1];
11        str[len - i - 1] = temp;
12    }
13 }
14
15 int main() {
16     char str[100];
17     printf("-----String Reversal Program-----\n");
18     printf("Enter a String: ");
19     fgets(str, sizeof(str), stdin);
20     str[strcspn(str, "\n")] = 0;
21
22     REVERSE(str);
23
24     printf("\nReversed String: %s", str);
25
26     return 0;
27 }
```

```
*-----String Reversal Program-----*
Enter a String: Hello World

Reversed String: dlroW olleH

=== Code Execution Successful ===
```

