EXPLORER

> OPEN EDITORS
  × C main.c   M

∨ MAIN.C
  > .vscode   ●
  > main.dSYM   ●
  C #include <stdio.c   U
  ≡ a.out   U
  C hello.c   U
  ≡ main   U
  C main.c   M
  ≡ tempCodeRunnerFile   U
  ≡ Untitled-1   U

C main.c M ×

C main.c > ⊕ main()

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

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
● abhaygupta@192 main.c % gcc main.c
● abhaygupta@192 main.c % ./a.out
---- String Reversal Program ----
Enter a string: hello

Reversed string: olleh
abhaygupta@192 main.c %
```

> OUTLINE
> TIMELINE

Expt. No. 6.5

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:");
    fgets (str, sizeof (str), stdin);
    str [strcspn (str, "\n")] = 0;
    REVERSE (str);

    printf ("\n Reversed string: %\n", str);

    return 0;
}
```