Name: Natasha Soldonno.

USN: 4AL19CS057.

Algorithm

1) Start

2) len=-1; str[50], revstr revstr[50]

3] *strptr= str.

4) *revptr= revstr.

5) while (*strptr)
{

str ptr ++;
len ++;

}

6) while (len >= 0)
{

strptr --;
*revptr = *strptr;
revptr ++;
--len;

}

7) *revptr = '\0'

8) output

9) *revptr = 0

10) Stop.

Flowchart :-

```
        ( START )
            |
            v
  / revstr [80], len = -1, str1 [80] /
            |
            v
  +------------------------+
  |  * strptr = str        |
  |  *revptr = revstr      |
  +------------------------+
            |
            v
        /  while (str)  \
        <    {           >
        \    str ++       /
         \   len ++      /
          \   }        /
            |
            v
       /  while (len >= 0)  \
       <   {                 >
       \   strptr---}         /
        \ * revptr = * strptr /
         \ revptr++          /
          \ len--           /
            |
            v
  +------------------------+
  |  * revptr = '\0'       |
  +------------------------+
            |
            v
    /  Output  /
            |
            v
  +------------------------+
  |  return 0              |
  +------------------------+
            |
            v
        ( STOP )
```