EXP-7:

PROGRAM:

```c
#include <stdio.h>
#include <string.h>

void decrypt(char *ciphertext) {
    char *substitutions = "ehtonaisrldcugmpbwfkqjvxyz";
    char decrypted[256];
    int i;

    for (i = 0; ciphertext[i] != '\0'; i++) {
        if (ciphertext[i] >= '0' && ciphertext[i] <= '9') {
            decrypted[i] = substitutions[ciphertext[i] - '0'];
        } else {
            decrypted[i] = ciphertext[i];
        }
    }
    decrypted[i] = '\0';
    printf("Decrypted message: %s\n", decrypted);
}

int main() {
    char ciphertext[] = "53‡‡†305))6*;4826)4‡.)4‡);806*;48†8¶60))85;;]8*;:‡*8†83"
                "(88)5*†;46(;88*96*?;8)*‡(;485);5*†2:*‡(;4956*2(5*—4)8¶8*"
                ";4069285);)6†8)4‡‡;1(‡9;48081;8:8‡1;48†85;4)485†528806*81
(‡9;48;(88;4(‡?34;48)4‡;161;:188;‡?;";
    decrypt(ciphertext);
    return 0;
}
```

output:

Output

Decrypted message: ao‡‡†oea))i*;nrti)n‡.)n‡);rei*;nr†r¶ie))ra;;]r*;:‡
    r†ro(rr)a†;ni(;rr*li*?;r)*‡(;nra);a*†t:*‡(;nlai*t(a*—n)r¶r
    *;neiltra);)i†r)n‡‡;h(‡l;nrerh;r:r‡h;nr†ra;n)nra†atrrei*rh (‡l;nr
    ;(rr;n(‡?on;nr)n‡;hih;:hrr;‡?;

=== Code Execution Successful ===